



UNITED STATES AIR FORCE RESEARCH LABORATORY

CAESAR: SUMMARY STATISTICS FOR THE ADULT POPULATION (AGES 18-65) OF THE UNITED STATES OF AMERICA

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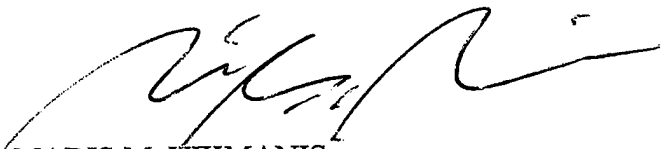
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The voluntary informed consent of the subjects used in this research was obtained as required by Air Force Instruction 40-402.

This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER



MARIS M. VIKMANIS
Chief, Crew System Interface Division
Air Force Research Laboratory

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PREFACE

We would like to thank Tina Brill and Sherri Blackwell of Sytronics Inc. and Marty Luka of Veridian Inc. for their careful editing and data formatting. We would also like to thank Charles Gidcumb of Boeing Inc. who carefully reviewed an early, hard to read version and detected what appeared to be a minor error, but which affected an entire section of the statistics in small ways. These kinds of things are hard to find and we are very thankful it was discovered early. This effort was conducted in part by Sytronics, Inc., under U.S. Air Force contract F41624-93-C-6001.

TABLE OF CONTENTS

Introduction	1
Weighting Method	1
Analysis of Continuous Variables	3
Analysis of Discrete Variables	3
Chapter 1: Visual Index	4
Chapter 2: Traditional Measurements	17
Chapter 3: Standing Scan Extracted Measurements	58
Chapter 4: Seated Scan Extracted Measurements	102
Chapter 5: Demographic	119
References	135
Index	136
Appendix A: Table of Computed NHANES II and CAESAR Weights	63

LIST OF FIGURE(S)

Figure 1. The Five Stature/Weight Groups for CAESAR Men	2
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LIST OF TABLE(S)

Table 1: Sampling Strata	2
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INTRODUCTION

The Civilian American and European Surface Anthropometry Resource (CAESAR) project was a survey of the civilian populations of three countries: the United States of America (USA), The Netherlands, and Italy (Robinette et al. 1999, Robinette 2000). It was carried out by the U.S. Air Force, with the help of 1) the contractor, Sytronics Inc., 2) The Netherlands Organization for Applied Scientific Research (TNO) and 3) a consortium of companies under the umbrella of the Society of Automotive Engineers (SAE). The sampling strategy used was a stratified sample with gender, ethnicity, and age categories all equally sampled. To arrive at summary statistics for the USA, the data were weighted using the data from the National Health and Nutritional Examination Survey III (NHANES III) and the U.S. Census from 1990 (Anonymous 1997).

There are four sets of measurements included in this document. The first set of measurements, Traditional Measurements, consists of classic anthropometer, caliper and tape measure type measurements that were obtained from each subject prior to scanning the subject. The second set of measurements, Standing Scan Extracted Measurements, were computed as point-to-point or point-to-surface distances from completed scans in the standing pose. The third set of measurements, Seated Scan Extracted Measurements, were computed as point-to-point or point-to-surface distances from completed scans in the comfortable working posture seated pose. Please note that the postures used for the traditional measurements were different from the postures used for the scan extracted measurements. Therefore, traditional and scan extracted measurements are NOT the same. For a complete description of all measurements and landmarks used see Blackwell et al. 2002. Finally, the fourth set of measurements are the demographic data. Demographics contain data that were self-reported by each subject in response to questions posed by experimenters prior to scanning.

Weighting Method

For the purposes of weighting, 90 strata were used based upon gender, race, age, stature and weight. The gender, race, and age categories are the same strata used in our sampling plan. They are shown in Table 1 below. As can be seen there are 18 of these categories. For each of these there were 5 stature and weight strata for a total of 90.

For stature and weight strata we used five strata which were formed prior to data collection from information on the reported stature and reported weight from NHANES III. These were used as a rough check throughout the survey to ensure that we were not missing or extremely low in numbers of people in one stature and weight region. The groups for men are shown in Figure 1 below. One group was defined by finding the region that enclosed the central 20% of the NHANES III 1990 census weighted sample for stature and weight. The other four groups contained approximately 20% for each of the four quadrants outside the central block. Although the central 20% was centered around the means of both height and weight, the boundaries for the other groups were shifted down and to the left, to account for the skewness of the height and weight distributions.

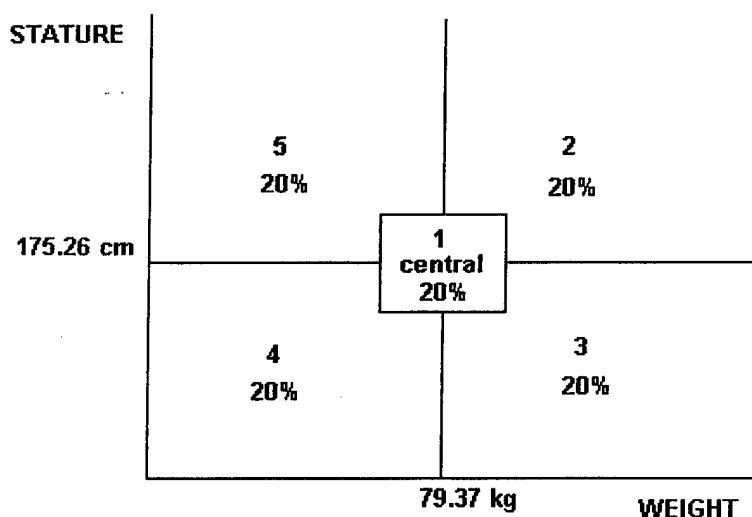


Figure 1: The five stature/weight groups for CAESAR men.

Table 1: Sampling Strata

		Female				Male	
		Age				Age	
	18-29	30-44	45-65		18-29	30-44	45-65
Ethnic grp							
White	1	2	3		4	5	6
Black	7	8	9		10	11	12
Other	13	14	15		16	17	18

NHANES III subjects were assigned a weight in order to match the NHANES III sample to the 1990 U.S. Census, according to a great many variables. We calculated an NHANES III weight for each of our 90 cells, simply by taking the NHANES-weighted proportion of units per cell (SAS calculated the proportions using the NHANES weights, such that each person in the NHANES sample represented a certain number of person-units, rather than simply one individual) (SAS Institute Inc., 1996). This gave us 90 NHANES III and 1990 U.S. Census-based weights, one for each cell.

Having computed the weights from NHANES III, we then grouped the CAESAR subjects into the same 90 cells according to the same criteria. The proportion of CAESAR subjects falling in to each cell was computed. Each CAESAR subject within each cell was assigned a weight equal to the mean NHANES III weight for that cell divided by the proportion of CAESAR subjects occupying that cell. See Appendix A for a table showing the CAESAR weight for each cell.

Analysis of Continuous Variables:

For all continuous variable data sets, the data file was merged with the file containing CAESAR weights by subject number, in order to create a file containing weights and data. This data file was then translated into a format that was readable by the software program SUDAAN (Research Triangle Institute, 1997).

SUDAAN's use was necessitated by the fact that many standard statistical software packages are unable to perform accurate computations of standard errors for large weighted data sets, such as the weighted CAESAR data set. Means and frequencies can be computed correctly with simple packages, but the continuous variables required standard errors as well. SUDAAN was chosen, as it is the package recommended in the NHANES III manuals, and has been validated on weighted data sets as large as NHANES III and larger.

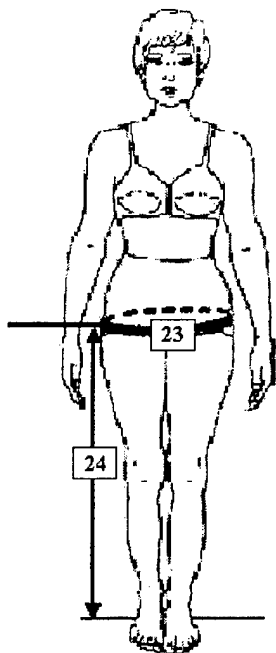
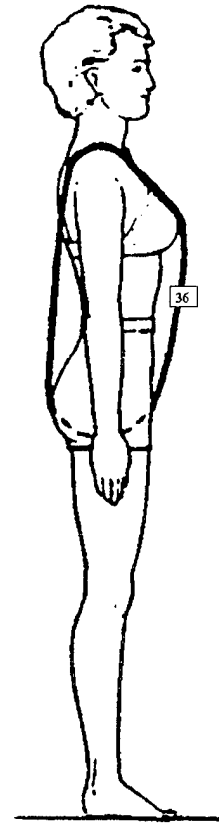
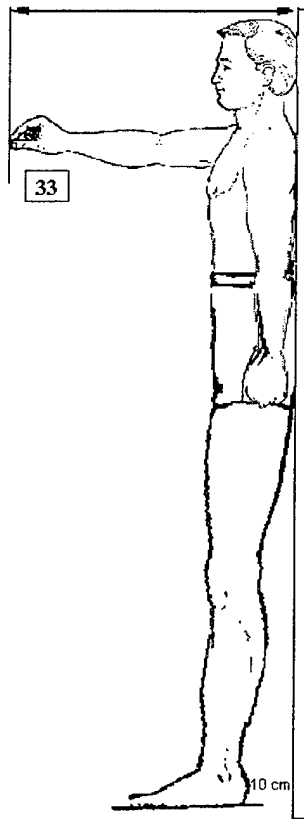
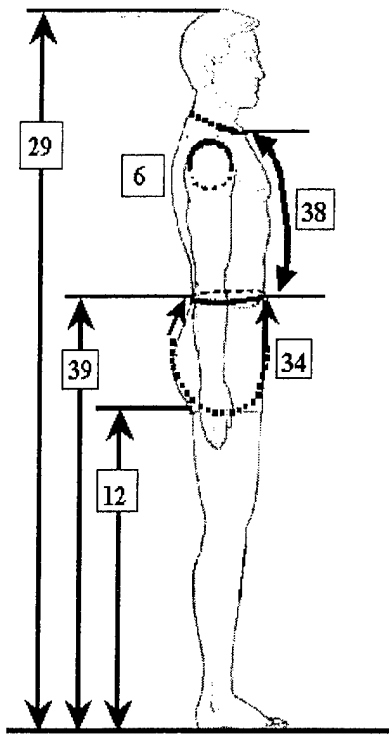
Using SUDAAN, the following statistics were computed for all continuous variables by gender: sample size, weighted sample size, mean, standard error of the mean (SE Mean), standard deviation of the mean (STD), and selected percentiles.

Analysis of Discrete Variables:

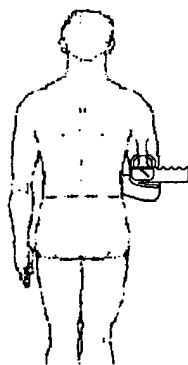
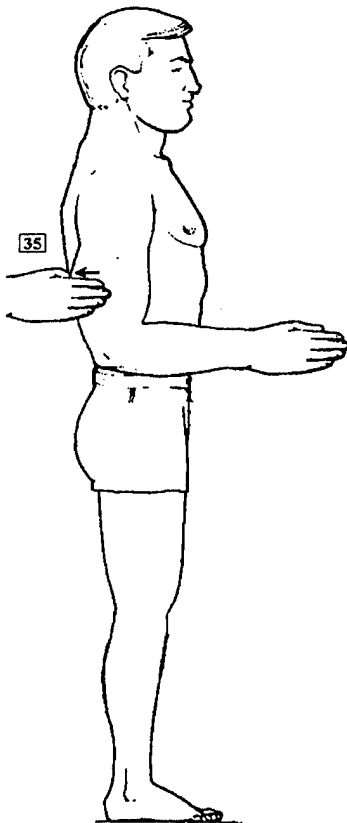
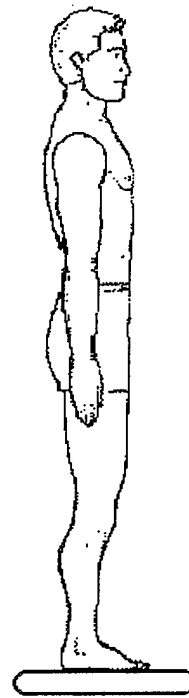
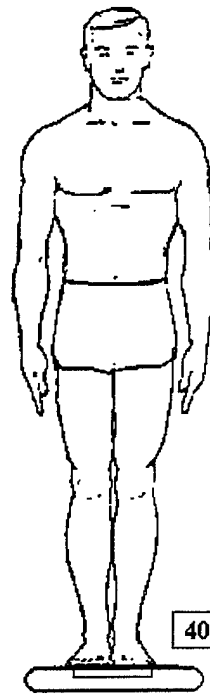
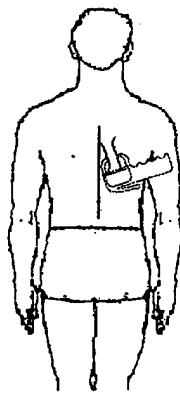
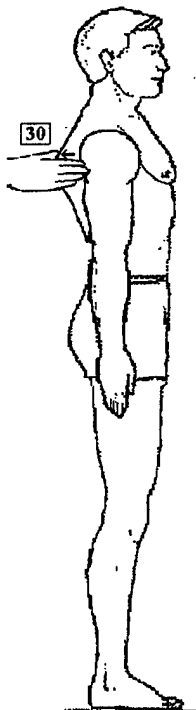
For discrete variables such as marital status, counts and percentages were computed. These computations were performed in the statistical package STATISTICA (Statsoft, Inc., 1998), as the computation of weighted frequencies is unproblematic for these types of statistics.

CHAPTER 1: VISUAL INDEX

This chapter contains a visual index of measurements. This index is useful for identifying the name of the variable of interest, in order to locate the summary statistics for that variable within this document.



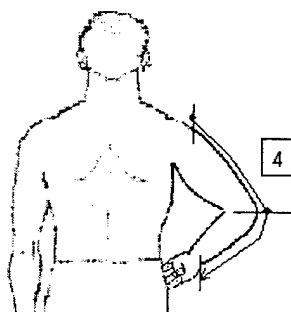
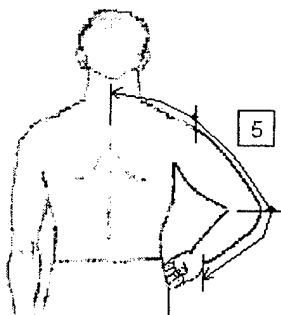
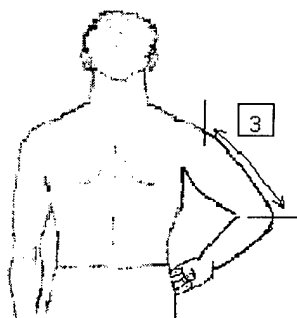
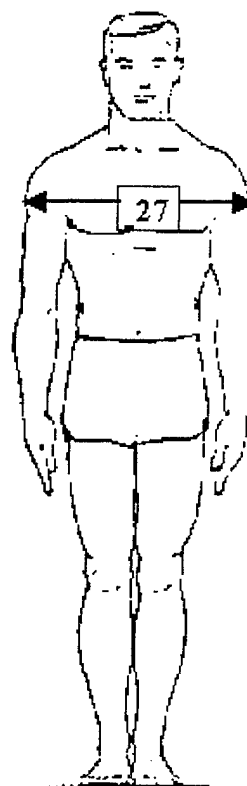
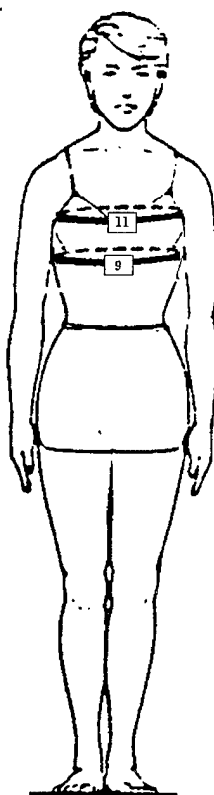
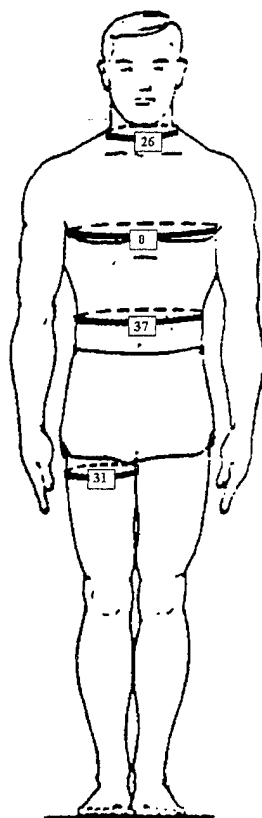
- 6. Armscye Circumference (Scye Circumference over Acromion)
- 12. Crotch Height
- 23. Hip Circumference, Maximum
- 24. Hip Circumference, Maximum, Height
- 29. Stature (Body Height)
- 33. Thumb Tip Reach, Right
- 34. Total Crotch Length
- 36. Vertical Truck Circumference, Right
- 38. Waist Front Length
- 39. Waist Height, Preferred



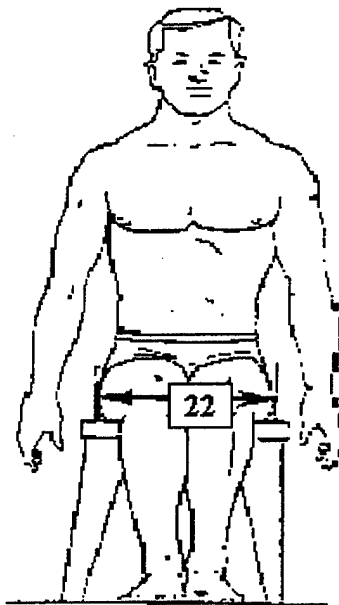
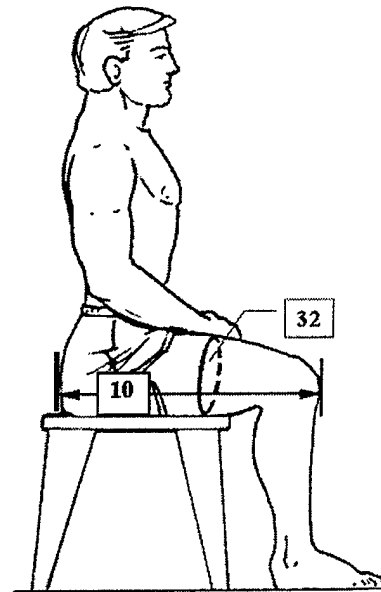
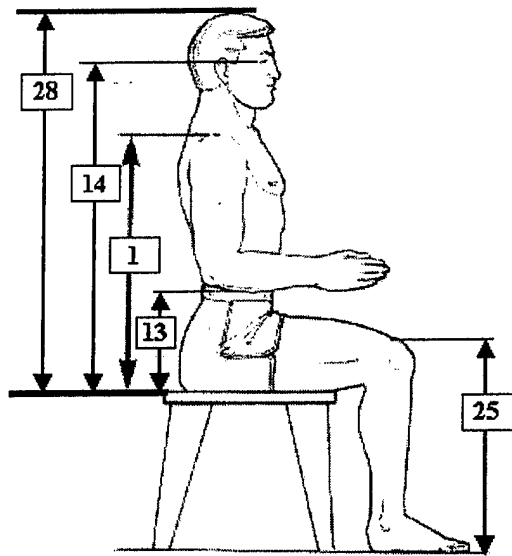
30. Subscapular Skinfold, Right

35. Triceps Skinfold

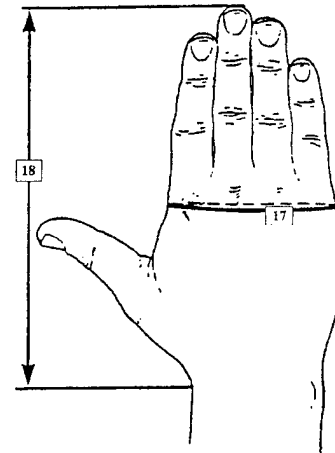
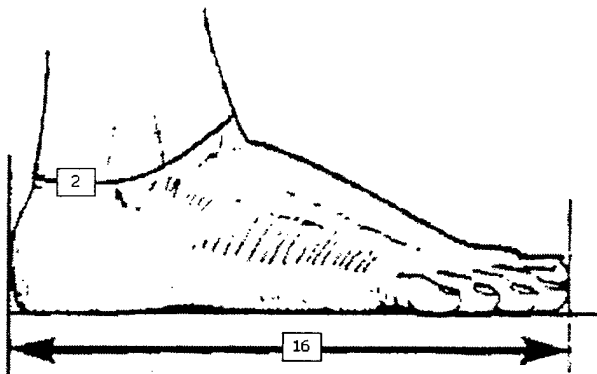
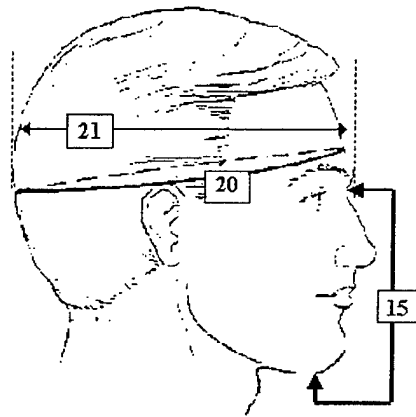
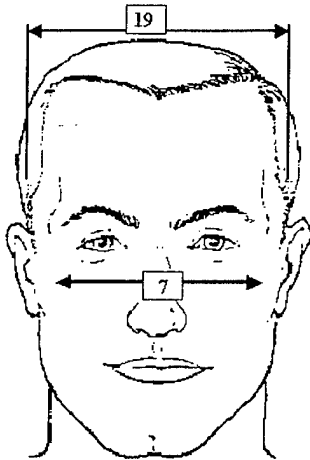
40. Weight (Mass)



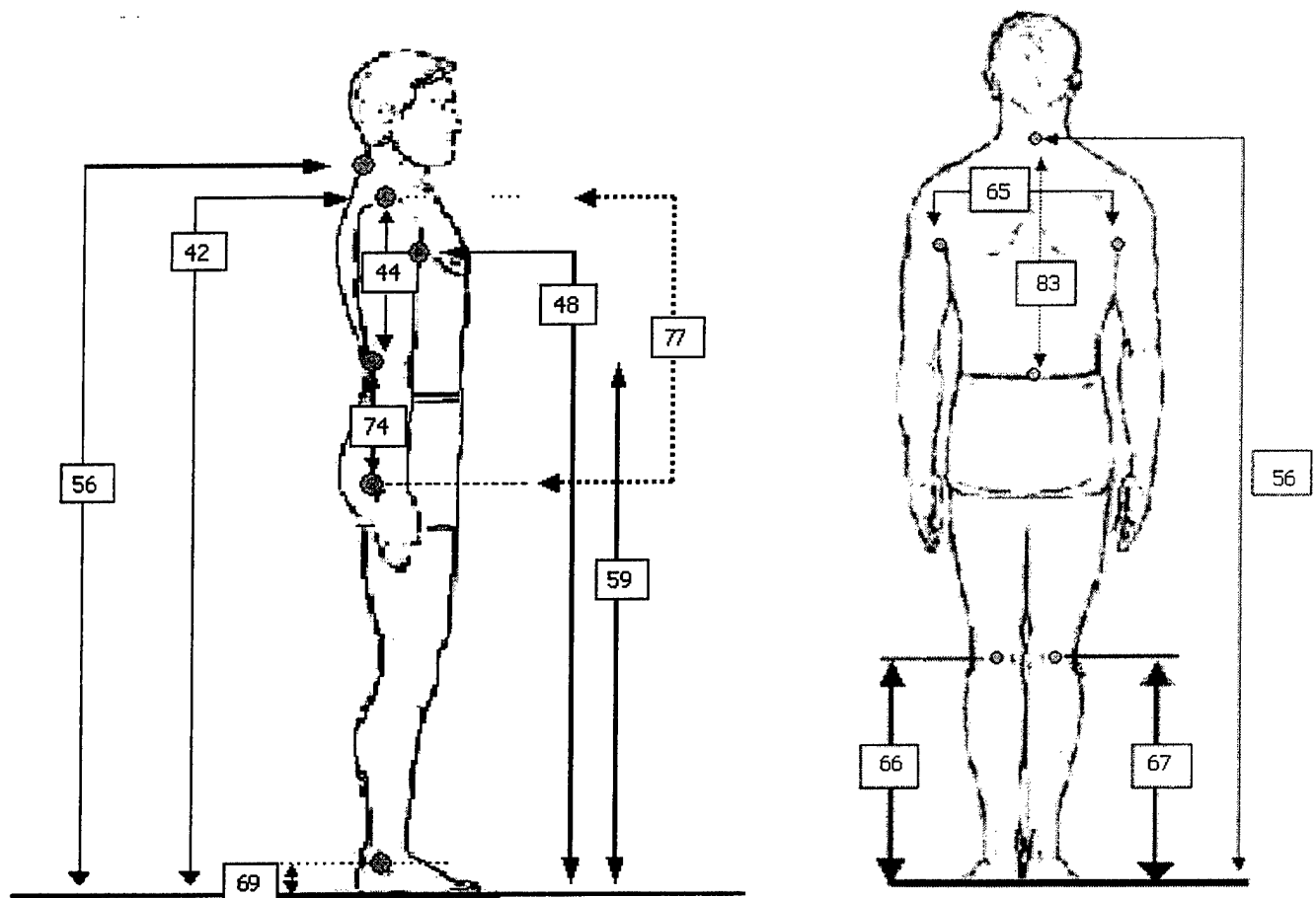
- 3. Arm Length (Shoulder-Elbow)
- 4. Arm Length (Shoulder-Wrist)
- 5. Arm Length (Spine-Wrist)
- 8. Bust/Chest Circumference
- 9. Bust/Chest Circumference Under Bust
- 11. Chest Girth (Chest Circumference at Scye)
- 26. Neck Base Circumference
- 27. Shoulder Breadth (Bideltoid)
- 31. Thigh Circumference, Maximum, Right
- 37. Waist Circumference, Preferred



1. Acromial Height, Sitting
10. Buttock-Knee Length, Right
13. Elbow Height, Sitting, Right
14. Eye Height, Sitting, Right
22. Hip Breadth, Sitting
25. Knee Height, Sitting, Right
28. Sitting Height
32. Thigh Circumference, Maximum, Sitting, Right

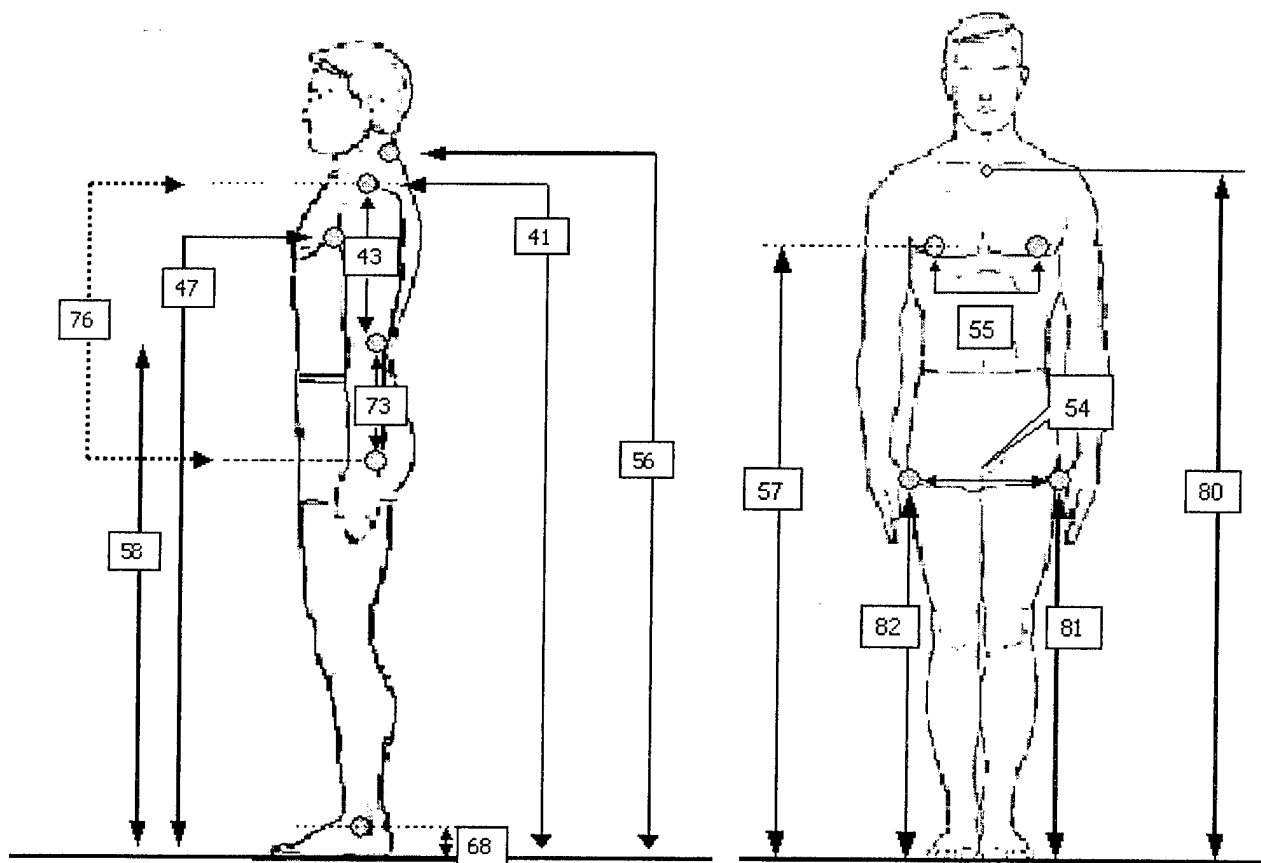


- 2. Ankle Circumference
- 7. Bizygomatic Breadth
- 15. Face Length (Menton-Sellion Length)
- 16. Foot Length, Right
- 17. Hand Circumference, Right
- 18. Hand Length, Right
- 19. Head Breadth
- 20. Head Circumference
- 21. Head Length



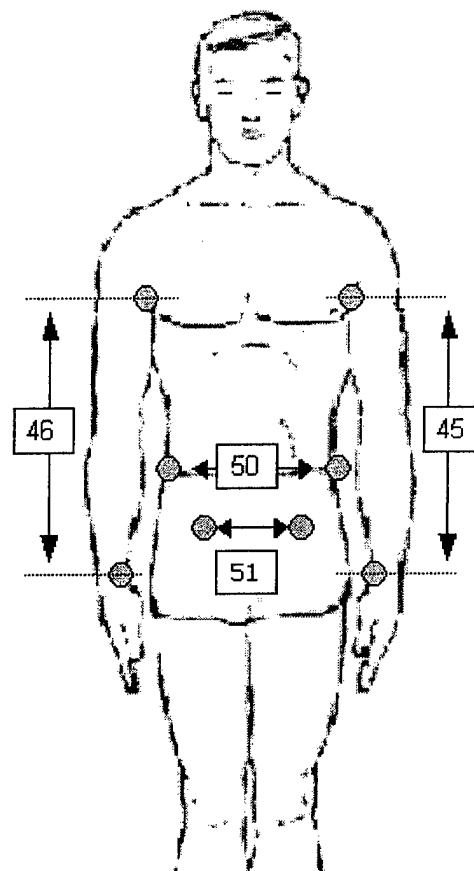
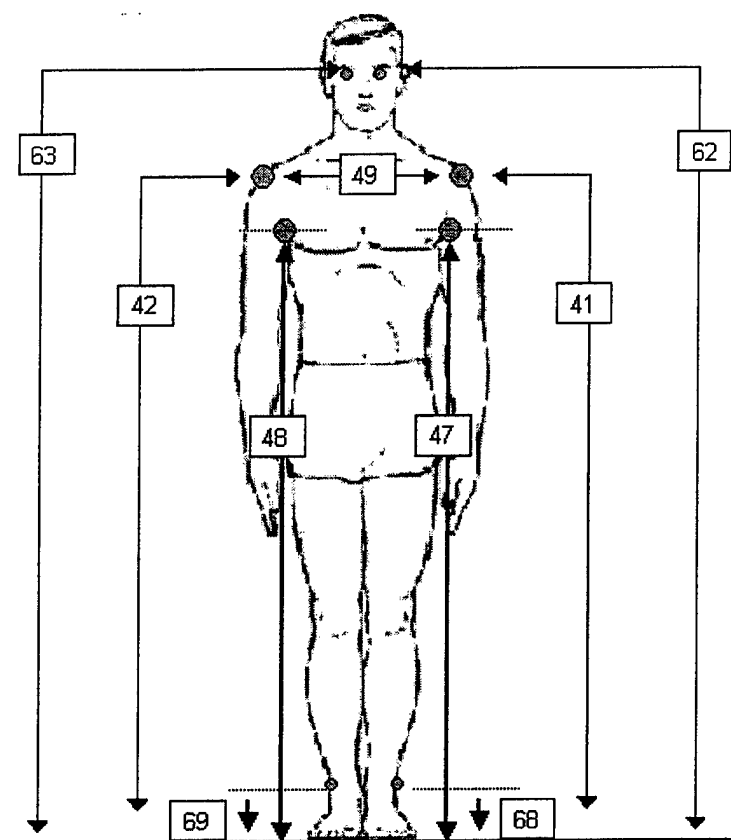
- 42 Acromial Height, Standing, Right
- 44 Acromion-Radiale Length, Right
- 48 Axilla Height, Right
- 56 Cervicale Height
- 59 Elbow Height, Standing, Right
- 69 Malleolus Height, Lateral, Right
- 74 Radiale-Stylian Length, Right
- 77 Sleeve Outseam Length, Right

- 56. Cervicale Height
- 65. Interscye Distance
- 66. Knee Height, Standing, Left
- 67. Knee Height, Standing, Right
- 83. Waist Back (Cervicale to Waist) Length



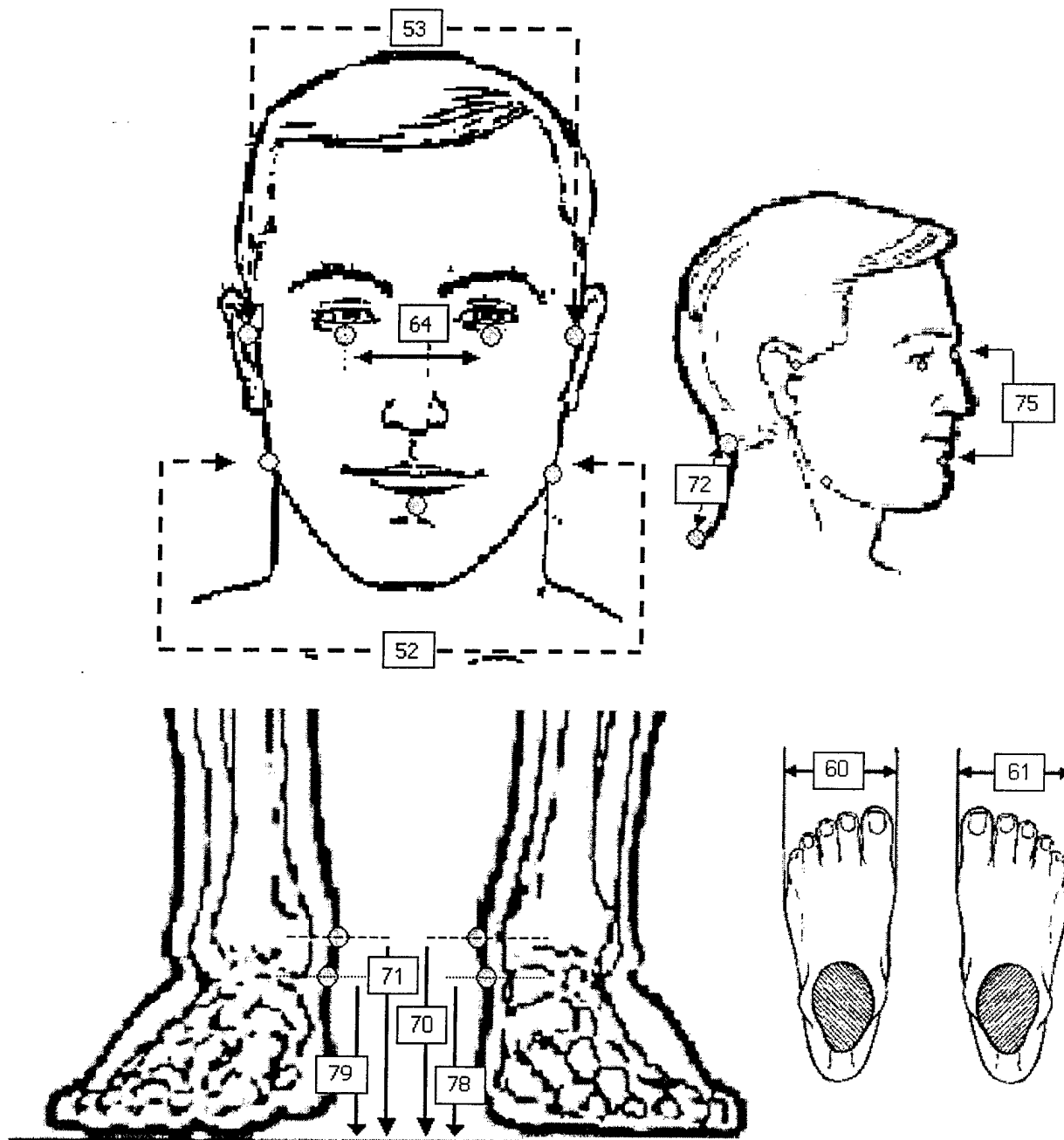
- 41. Acromial Height, Standing, Left
- 43. Acromion-Radiale Length, Left
- 47. Axilla Height, Left
- 56. Cervicale Height
- 58. Elbow Height, Standing, Left
- 68. Malleolus Height, Lateral, Left
- 73. Radiale-Stylian Length, Left
- 76. Sleeve Outseam Length, Left

- 54. Bi-Trochanteric Breadth, Standing
- 55. Bustpoint-Bustpoint Breadth
- 57. Chest Height
- 80. Suprasternale Height
- 81. Trochanter Height, Left
- 82. Trochanter Height, Right



- 41. Acromial Height, Standing, Left
- 42. Acromial Height, Standing, Right
- 47. Axilla Height, Left
- 48. Axilla Height, Right
- 49. Biacromial Breadth
- 62. Infraorbitale Height, Standing, Left
- 63. Infraorbitale Height, Standing, Right
- 68. Malleolus Height, Lateral, Left
- 69. Malleolus Height, Lateral, Right

- 45. Arm Inseam, Left
- 46. Arm Inseam, Right
- 50. Bi-Cristale Breadth
- 51. Bi-Spinous Breadth



52. Bigonial Breadth

53. Bitragion Breadth

60. Foot Breadth, Left

61. Foot Breadth, Right

64. Inter-pupillary Distance

70. Malleolus Height, Medial, Left

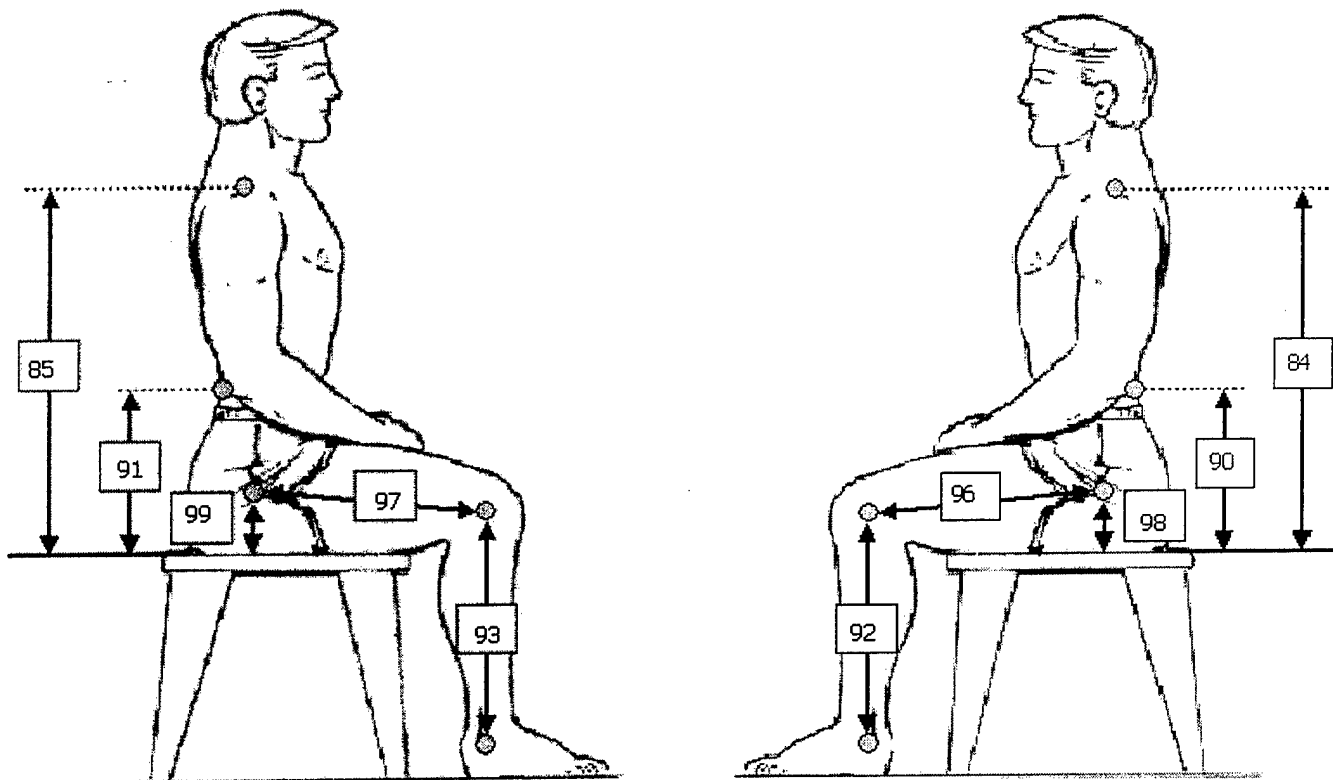
71. Malleolus Height, Medial, Right

72. Neck Height

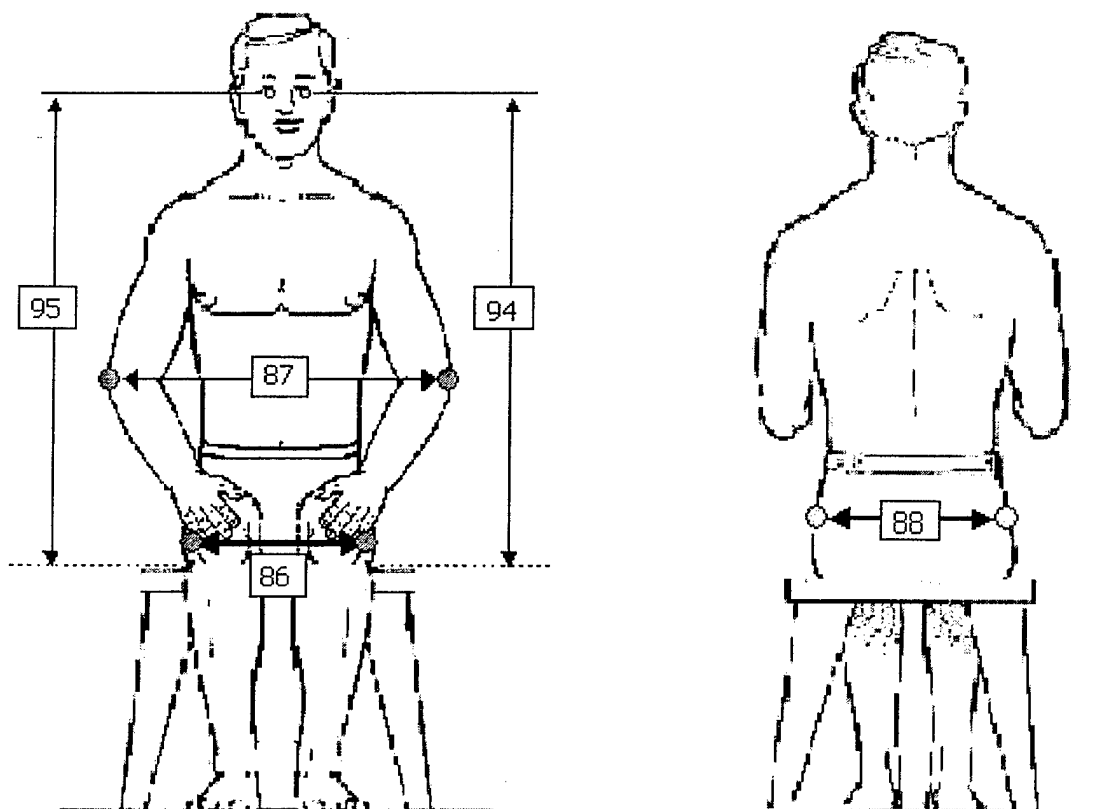
75. Sellion-Supramenton Length

78. Sphyrion Height, Left

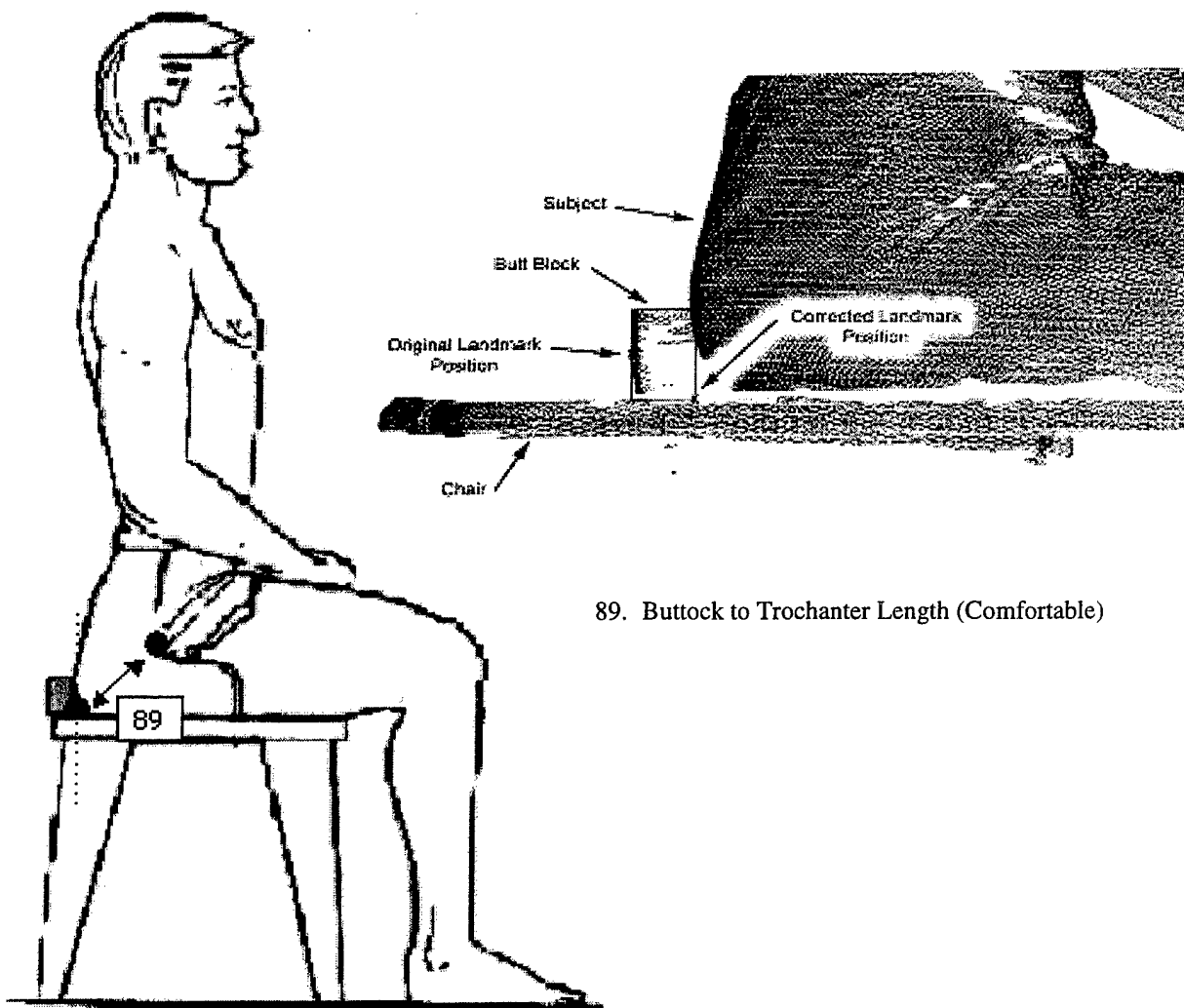
79. Sphyrion Height, Right



- 84. Acromial Height, Sitting (Comfortable), Left
- 85. Acromial Height, Sitting (Comfortable), Right
- 90. Elbow Height, Sitting (Comfortable), Left
- 91. Elbow Height, Sitting (Comfortable), Right
- 92. Femoral Epicondyle, Lateral, Left to Malleolus, Lateral (Comfortable), Left
- 93. Femoral Epicondyle, Lateral, Right to Malleolus, Lateral (Comfortable), Right
- 96. Trochanter to Femoral Epicondyle, Lateral (Comfortable), Left
- 97. Trochanter to Femoral Epicondyle, Lateral (Comfortable), Right
- 98. Trochanter to Seated Surface (Comfortable), Left
- 99. Trochanter to Seated Surface (Comfortable), Right



- 86. Bi-lateral Femoral Epicondyle Breadth, Sitting (Comfortable)
- 87. Bi-lateral Humeral Epicondyle Breadth, Sitting (Comfortable)
- 88. Bi-Trochanteric Breadth, Sitting (Comfortable)
- 94. Infraorbitale Height, Sitting (Comfortable), Left
- 95. Infraorbitale Height, Sitting (Comfortable), Right



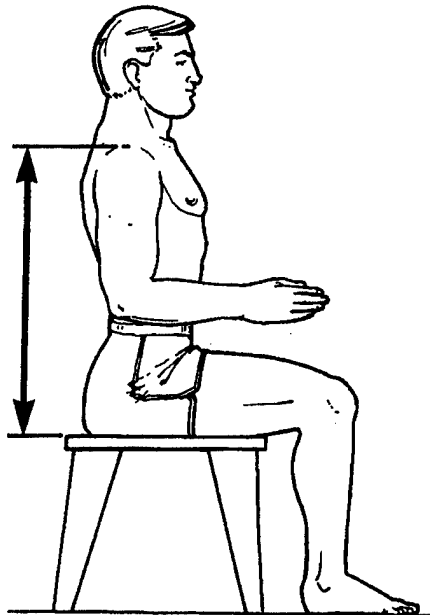
89. Buttock to Trochanter Length (Comfortable)

CHAPTER 2: TRADITIONAL MEASUREMENTS

This chapter contains the sample size, weighted sample size, mean, standard error of the mean (SE Mean), standard deviation (STD), and selected percentiles for both men and women, and in both English (in. or lbs) and Metric (mm or kgs) units for the traditional measurements. The measurements are listed in alphabetical order.

1. CAESAR Name: ACROMIAL HEIGHT, SITTING
ISO Reference No. 4.2.4
ISO Name: Shoulder Height, Sitting

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	601.92	23.70	567.50	22.34
SE Mean	1.13	0.04	0.89	0.04
STD	37.80	1.34	31.60	1.42



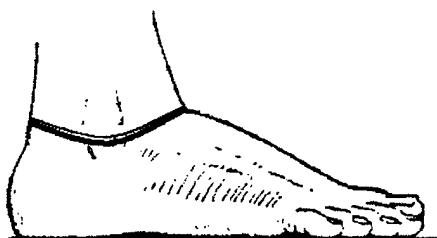
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	521.59	500.82
	2	531.09	509.10
	3	541.84	514.66
	5	549.15	522.99
	10	560.41	530.77
	20	572.34	542.04
	25	577.37	545.61
	50	600.86	566.04
	75	624.29	586.62
	80	629.07	591.64
	90	644.47	604.63
	95	655.85	615.05
	97	666.78	624.04
	98	673.02	633.98
	99	686.98	640.85
English (in)			
	1	20.53	19.71
	2	20.91	20.04
	3	21.33	20.27
	5	21.62	20.59
	10	22.07	20.90
	20	22.53	21.34
	25	22.73	21.48
	50	23.65	22.28
	75	24.58	23.09
	80	24.76	23.30
	90	25.37	23.81
	95	25.82	24.21
	97	26.25	24.57
	98	26.50	24.96
	99	27.05	25.23

2. CAESAR Name: ANKLE CIRCUMFERENCE

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	267.08	10.51	240.05	9.45
SE Mean	0.47	0.02	0.47	0.02
STD	15.72	0.67	16.69	0.71



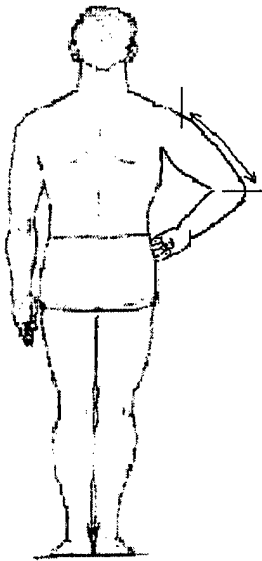
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	236.09	210.37
	2	239.02	213.43
	3	242.66	214.94
	5	244.88	218.69
	10	248.42	222.01
	20	254.71	227.60
	25	256.66	229.42
	50	265.79	238.28
	75	275.80	247.66
	80	277.98	250.39
	90	284.19	257.89
	95	290.82	265.86
	97	295.72	272.96
	98	299.38	279.33
	99	306.15	287.91
English (in)			
	1	9.29	8.28
	2	9.41	8.41
	3	9.56	8.46
	5	9.65	8.61
	10	9.78	8.74
	20	10.03	8.96
	25	10.11	9.04
	50	10.46	9.38
	75	10.86	9.75
	80	10.94	9.86
	90	11.19	10.16
	95	11.45	10.46
	97	11.64	10.75
	98	11.79	10.99
	99	12.06	11.34

3. CAESAR Name: ARM LENGTH (SHOULDER-ELBOW)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	336.83	13.26	313.45	12.34
SE Mean	0.72	0.03	0.63	0.02
STD	24.09	1.00	22.37	0.71



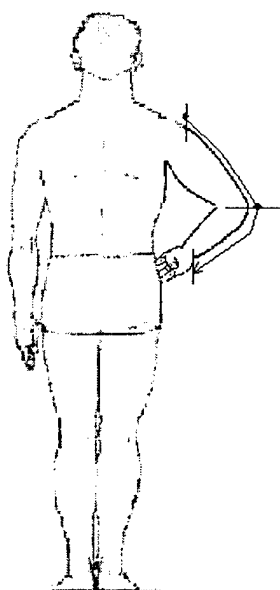
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	287.24	270.48
	2	296.87	273.11
	3	300.16	277.60
	5	305.33	282.28
	10	311.89	288.93
	20	319.71	296.60
	25	322.53	299.40
	50	335.02	311.57
	75	348.89	325.43
	80	352.75	328.81
	90	364.61	337.89
	95	373.38	346.71
	97	379.48	353.77
	98	384.11	357.83
	99	393.94	365.41
English (in)			
	1	11.31	10.65
	2	11.68	10.75
	3	11.82	10.93
	5	12.02	11.11
	10	12.28	11.38
	20	12.59	11.67
	25	12.70	11.79
	50	13.19	12.26
	75	13.74	12.81
	80	13.89	12.94
	90	14.35	13.31
	95	14.70	13.65
	97	14.94	13.93
	98	15.12	14.08
	99	15.51	14.39

4. CAESAR Name: ARM LENGTH (SHOULDER-WRIST)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	640.48	25.22	582.99	22.95
SE Mean	1.16	0.05	1.03	0.04
STD	38.80	1.67	36.58	1.42



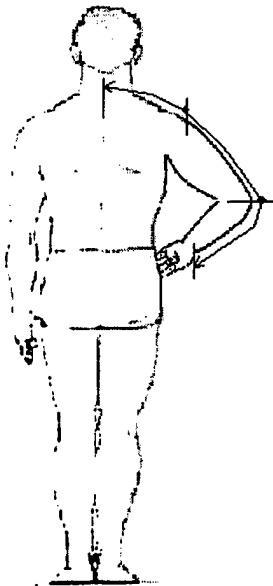
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	566.07	514.48
	2	574.31	520.75
	3	578.87	524.13
	5	586.65	532.31
	10	600.15	541.59
	20	611.92	553.87
	25	616.07	558.36
	50	637.21	580.46
	75	660.84	603.47
	80	668.38	610.67
	90	687.15	626.09
	95	701.96	637.81
	97	709.76	646.23
	98	715.66	656.60
	99	725.16	672.45
English (in)			
	1	22.28	20.26
	2	22.61	20.50
	3	22.79	20.64
	5	23.10	20.95
	10	23.63	21.32
	20	24.09	21.80
	25	24.25	21.98
	50	25.09	22.85
	75	26.01	23.76
	80	26.32	24.05
	90	27.06	24.65
	95	27.64	25.11
	97	27.94	25.44
	98	28.18	25.85
	99	28.55	26.48

5. CAESAR Name: ARM LENGTH (SPINE-WRIST)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	855.54	33.68	776.63	30.58
SE Mean	1.35	0.05	1.20	0.05
STD	45.16	1.67	42.61	1.78



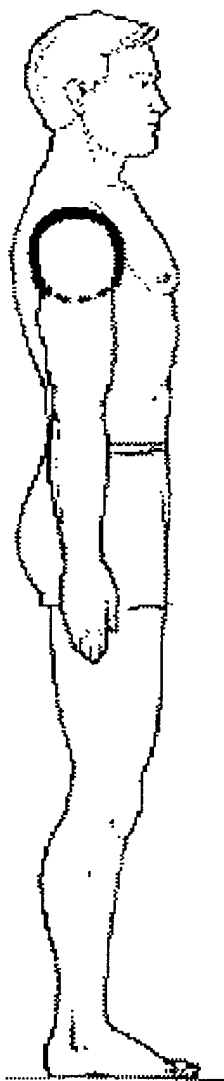
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	763.74	696.43
	2	778.14	705.54
	3	786.40	709.67
	5	795.85	716.27
	10	807.27	726.91
	20	822.50	742.58
	25	827.84	749.14
	50	851.88	774.51
	75	879.87	802.28
	80	887.73	808.63
	90	909.12	825.79
	95	924.99	844.26
	97	935.57	852.14
	98	943.96	863.99
	99	957.21	877.25
English (in)			
	1	30.07	27.42
	2	30.64	27.78
	3	30.96	27.94
	5	31.33	28.20
	10	31.78	28.62
	20	32.38	29.23
	25	32.59	29.50
	50	33.54	30.49
	75	34.64	31.58
	80	34.95	31.84
	90	35.79	32.51
	95	36.42	33.24
	97	36.83	33.55
	98	37.17	34.02
	99	37.69	34.54

6. CAESAR Name: ARMSCYE CIRCUMFERENCE (SCYE CIRCUMFERENCE OVER ACROMION)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	443.68	17.47	389.34	15.33
SE Mean	1.24	0.05	1.42	0.06
STD	41.48	1.67	50.42	2.13



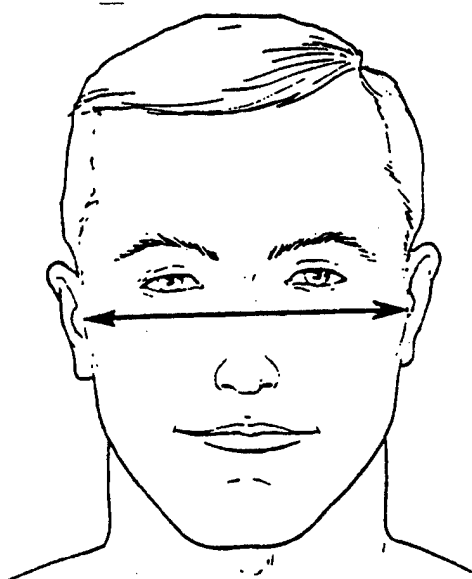
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	370.02	314.13
	2	378.15	322.65
	3	382.58	325.96
	5	388.11	331.25
	10	398.29	341.70
	20	411.63	353.74
	25	416.59	357.71
	50	439.27	380.88
	75	463.84	408.45
	80	470.87	417.85
	90	491.43	449.84
	95	515.35	481.23
	97	527.10	495.44
	98	537.24	508.50
	99	558.57	539.05
English (in)			
	1	14.57	12.37
	2	14.89	12.71
	3	15.06	12.83
	5	15.28	13.04
	10	15.68	13.45
	20	16.21	13.93
	25	16.40	14.08
	50	17.29	15.00
	75	18.26	16.08
	80	18.53	16.45
	90	19.35	17.71
	95	20.29	18.95
	97	20.75	19.51
	98	21.15	20.02
	99	21.99	21.22

7. CAESAR Name: BIZYGOMATIC BREADTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	142.72	5.62	133.29	5.25
SE Mean	0.22	0.01	0.19	0.01
STD	7.36	0.33	6.75	0.36



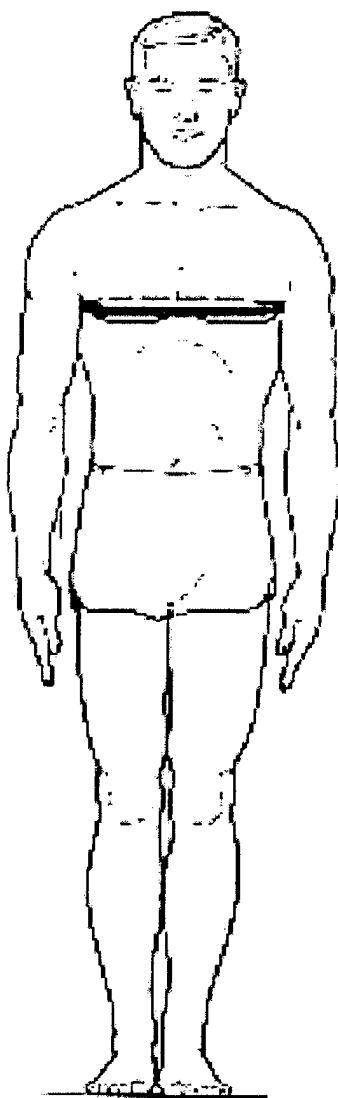
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	127.84	119.95
	2	129.74	121.42
	3	130.51	122.54
	5	131.78	123.64
	10	133.93	125.08
	20	136.41	127.16
	25	137.27	128.23
	50	142.30	132.45
	75	146.38	136.41
	80	147.46	137.72
	90	150.63	141.16
	95	153.51	143.85
	97	155.69	145.53
	98	156.56	147.08
	99	158.19	149.16
English (in)			
	1	5.03	4.72
	2	5.11	4.78
	3	5.14	4.82
	5	5.19	4.87
	10	5.28	4.92
	20	5.37	5.01
	25	5.40	5.05
	50	5.60	5.22
	75	5.77	5.37
	80	5.81	5.42
	90	5.93	5.56
	95	6.04	5.66
	97	6.13	5.73
	98	6.16	5.79
	99	6.23	5.88

8. CAESAR Name: BUST/CHEST CIRCUMFERENCE

ISO Reference No. 4.4.9

ISO Name: Chest Circumference

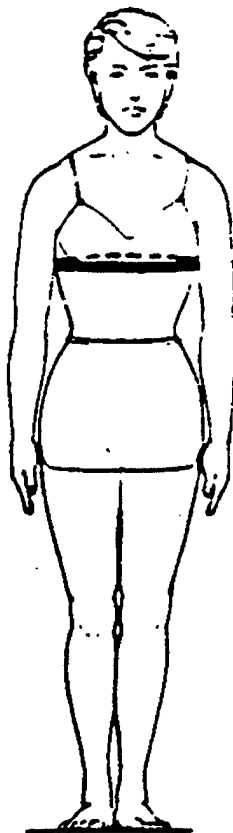
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	1023.63	40.30	964.34	37.97
SE Mean	3.37	0.13	3.96	0.16
STD	112.73	4.35	140.62	5.68



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	837.22	782.81
	2	850.64	793.15
	3	863.25	802.78
	5	884.06	814.12
	10	905.37	834.87
	20	941.51	863.90
	25	950.94	874.17
	50	1007.66	931.65
	75	1082.51	1022.16
	80	1101.05	1057.68
	90	1153.72	1140.87
	95	1209.75	1207.46
	97	1257.05	1275.29
	98	1290.95	1315.21
	99	1353.56	1374.43
English (in)			
	1	32.96	30.82
	2	33.49	31.23
	3	33.99	31.60
	5	34.80	32.05
	10	35.64	32.86
	20	37.07	34.02
	25	37.44	34.42
	50	39.67	36.68
	75	42.62	40.25
	80	43.35	41.64
	90	45.42	44.91
	95	47.63	47.54
	97	49.49	50.21
	98	50.83	51.78
	99	53.29	54.11

9. CAESAR Name: BUST/CHEST CIRCUMFERENCE UNDER BUST
 ISO Reference No. N/A
 ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	0	0	1261.00	1261.00
Weighted Size	0	0	1261.00	1261.00
Mean	.	.	802.13	31.58
SE Mean	.	.	3.04	0.12
STD	.	.	107.95	4.26



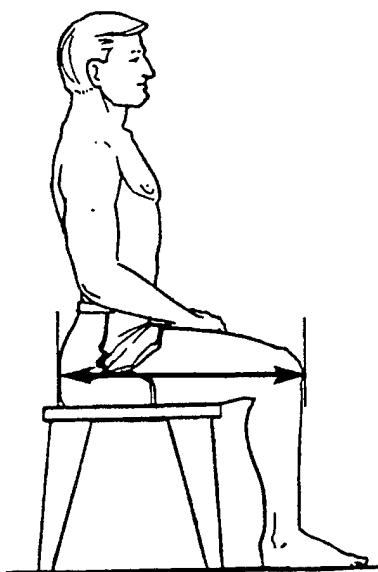
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	.	663.82
	2	.	675.13
	3	.	682.35
	5	.	689.91
	10	.	707.23
	20	.	728.01
	25	.	736.04
	50	.	777.52
	75	.	840.60
	80	.	861.31
	90	.	928.49
	95	.	1001.53
	97	.	1046.23
	98	.	1095.58
	99	.	1141.71
English (in)			
	1	.	26.13
	2	.	26.58
	3	.	26.86
	5	.	27.17
	10	.	27.84
	20	.	28.66
	25	.	28.98
	50	.	30.61
	75	.	33.09
	80	.	33.91
	90	.	36.56
	95	.	39.43
	97	.	41.19
	98	.	43.13
	99	.	44.95

10. CAESAR Name: BUTTOCK-KNEE LENGTH, RIGHT

ISO Reference No. 4.4.7

ISO Name: Buttock-Knee Length

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.21	1260.21
Mean	613.99	24.17	587.72	23.14
SE Mean	1.09	0.04	1.14	0.05
STD	36.46	1.34	40.47	1.77



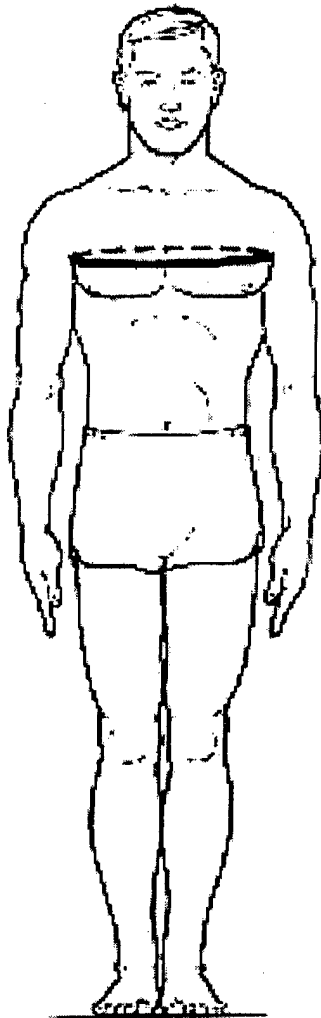
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	543.81	507.42
	2	551.69	521.15
	3	556.23	524.23
	5	561.83	533.15
	10	574.26	544.21
	20	586.82	556.86
	25	591.60	561.96
	50	610.18	583.59
	75	633.20	610.67
	80	639.84	617.01
	90	657.24	632.85
	95	673.06	647.70
	97	682.45	656.64
	98	691.58	673.24
	99	707.87	694.76
English (in)			
	1	21.41	19.98
	2	21.72	20.52
	3	21.90	20.64
	5	22.12	20.99
	10	22.61	21.43
	20	23.10	21.92
	25	23.29	22.13
	50	24.03	22.97
	75	24.93	24.05
	80	25.19	24.29
	90	25.88	24.91
	95	26.50	25.50
	97	26.87	25.86
	98	27.22	26.51
	99	27.86	27.35

11. CAESAR Name: CHEST GIRTH (CHEST CIRCUMFERENCE AT SCYE)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	1040.96	40.98	925.24	36.43
SE Mean	3.04	0.12	3.17	0.12
STD	101.69	4.01	112.57	4.26



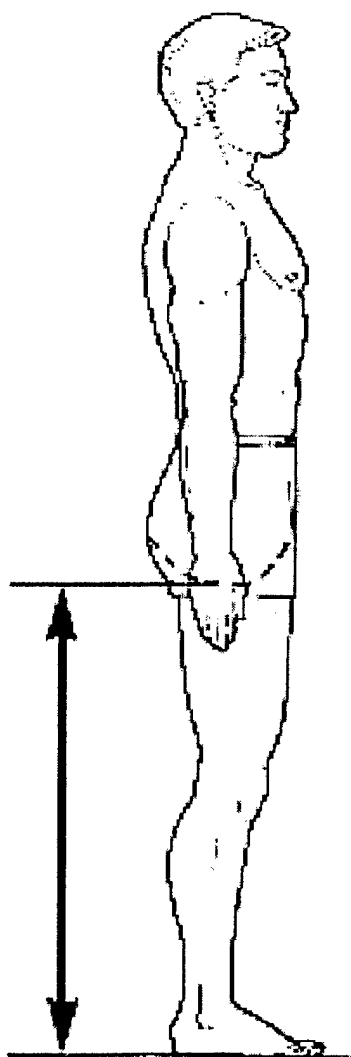
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	853.86	767.32
	2	872.52	778.24
	3	895.36	783.13
	5	911.19	801.85
	10	936.44	819.54
	20	966.94	842.53
	25	977.51	852.83
	50	1026.55	903.13
	75	1096.72	972.73
	80	1111.96	996.48
	90	1159.10	1064.58
	95	1209.66	1124.83
	97	1245.25	1166.76
	98	1271.72	1208.44
	99	1321.62	1246.44
English (in)			
	1	33.61	30.21
	2	34.35	30.64
	3	35.25	30.84
	5	35.88	31.56
	10	36.87	32.26
	20	38.07	33.17
	25	38.48	33.57
	50	40.41	35.56
	75	43.18	38.30
	80	43.78	39.23
	90	45.63	41.91
	95	47.63	44.28
	97	49.03	45.93
	98	50.07	47.58
	99	52.03	49.07

12. CAESAR Name: CROTCH HEIGHT

ISO Reference No. 4.1.7

ISO Name: Crotch Height

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.08	1260.08
Mean	797.00	31.38	747.69	29.44
SE Mean	1.64	0.06	1.49	0.06
STD	54.86	2.01	52.89	2.13



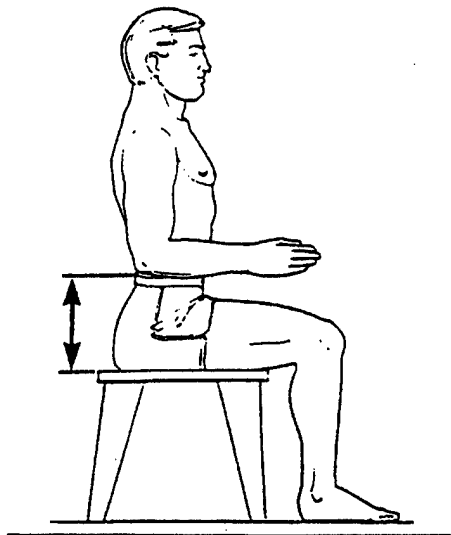
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	692.11	645.63
	2	701.21	656.25
	3	706.30	661.71
	5	718.71	672.19
	10	736.18	688.89
	20	756.30	708.06
	25	762.40	713.44
	50	795.60	744.39
	75	827.80	778.28
	80	835.90	788.13
	90	860.90	808.48
	95	880.17	831.15
	97	893.91	841.16
	98	905.94	850.53
	99	923.02	864.16
English (in)			
	1	27.24	25.42
	2	27.61	25.84
	3	27.81	26.05
	5	28.30	26.47
	10	28.99	27.13
	20	29.77	27.87
	25	30.02	28.09
	50	31.32	29.31
	75	32.59	30.64
	80	32.91	31.03
	90	33.90	31.83
	95	34.66	32.73
	97	35.20	33.12
	98	35.67	33.48
	99	36.34	34.03

13. CAESAR Name: ELBOW HEIGHT, SITTING, RIGHT

ISO Reference No. 4.2.5

ISO Name: Elbow Height, Sitting

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.34	1260.34
Mean	239.06	9.41	236.94	9.33
SE Mean	1.05	0.04	0.84	0.03
STD	35.12	1.34	29.82	1.07



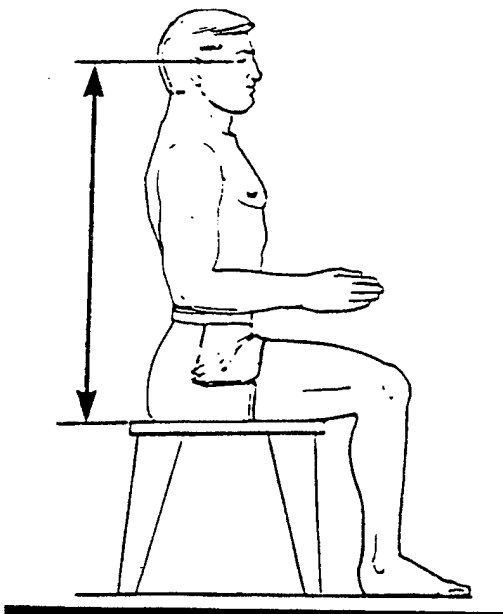
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	169.75	172.66
	2	174.57	180.14
	3	181.87	183.85
	5	190.41	192.51
	10	201.30	201.92
	20	214.32	213.87
	25	219.07	218.47
	50	239.05	236.20
	75	257.78	253.68
	80	262.86	258.18
	90	274.56	269.82
	95	287.03	280.32
	97	292.98	287.42
	98	298.08	294.42
	99	304.77	303.70
English (in)			
	1	6.68	6.80
	2	6.87	7.10
	3	7.16	7.23
	5	7.50	7.58
	10	7.92	7.95
	20	8.44	8.42
	25	8.62	8.60
	50	9.41	9.30
	75	10.15	9.99
	80	10.34	10.17
	90	10.81	10.62
	95	11.30	11.03
	97	11.54	11.32
	98	11.73	11.59
	99	12.00	11.96

14. CAESAR Name: EYE HEIGHT, SITTING, RIGHT

ISO Reference No. 4.2.2

ISO Name: Eye Height, Sitting

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1259.71	1259.71
Mean	803.23	31.62	754.50	29.70
SE Mean	1.24	0.05	1.03	0.04
STD	41.48	1.67	36.56	1.42



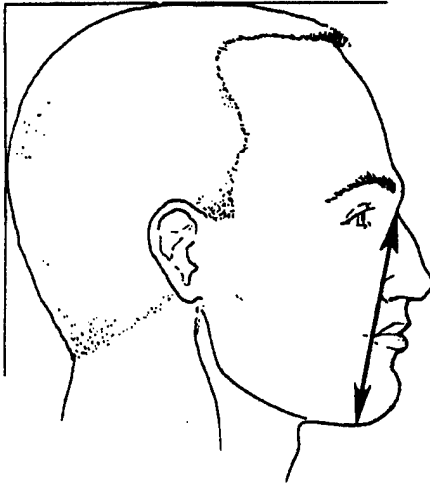
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	713.17	675.12
	2	721.05	684.92
	3	727.89	694.00
	5	738.93	701.04
	10	755.58	711.01
	20	772.77	726.74
	25	779.21	731.42
	50	800.78	752.51
	75	827.29	775.79
	80	834.38	782.20
	90	851.08	798.62
	95	866.54	810.84
	97	879.64	819.85
	98	886.37	828.25
	99	895.98	835.65
English (in)			
	1	28.08	26.57
	2	28.39	26.97
	3	28.66	27.32
	5	29.09	27.60
	10	29.74	27.99
	20	30.42	28.61
	25	30.68	28.80
	50	31.53	29.63
	75	32.57	30.54
	80	32.85	30.80
	90	33.50	31.44
	95	34.11	31.92
	97	34.64	32.27
	98	34.89	32.61
	99	35.27	32.90

15. CAESAR Name: FACE LENGTH (MENTON-SELLION LENGTH)

ISO Reference No. 4.3.11

ISO Name: Face Length (Nasion-Menton)

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1260.00	1260.00
Weighted Size	1117.83	1117.83	1259.60	1259.60
Mean	121.29	4.78	111.67	4.40
SE Mean	0.24	0.01	0.20	0.01
STD	8.02	0.33	7.10	0.35



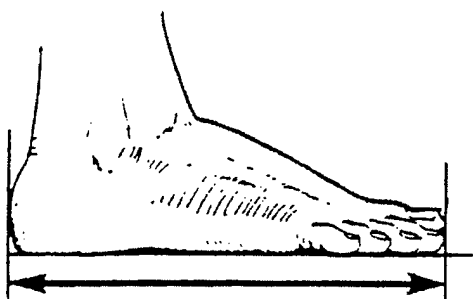
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	104.30	96.50
	2	107.31	98.19
	3	108.36	99.59
	5	109.81	101.07
	10	111.72	102.97
	20	114.57	105.67
	25	115.65	106.56
	50	120.87	110.98
	75	125.34	115.51
	80	126.35	116.72
	90	130.01	119.83
	95	132.87	122.06
	97	135.50	123.49
	98	137.35	124.42
	99	140.04	125.96
English (in)			
	1	4.10	3.80
	2	4.22	3.87
	3	4.26	3.92
	5	4.32	3.98
	10	4.40	4.06
	20	4.51	4.16
	25	4.56	4.19
	50	4.75	4.37
	75	4.93	4.55
	80	4.97	4.60
	90	5.12	4.71
	95	5.23	4.80
	97	5.33	4.86
	98	5.40	4.90
	99	5.51	4.96

16. CAESAR Name: FOOT LENGTH, RIGHT

ISO Reference No. 4.3.7

ISO Name: Foot Length

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	266.70	10.50	239.09	9.41
SE Mean	0.46	0.02	0.40	0.02
STD	15.39	0.67	14.20	0.71



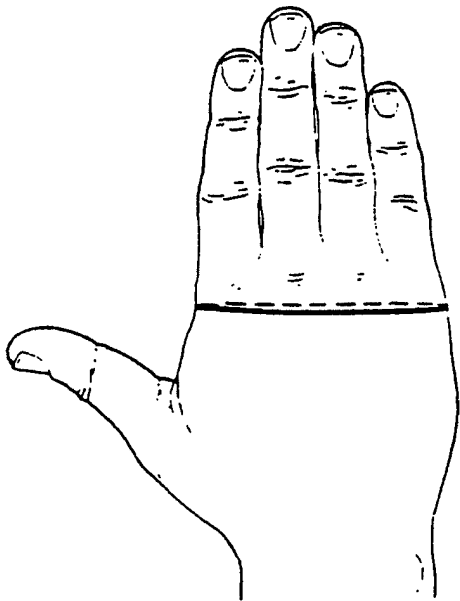
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	231.85	211.22
	2	238.03	214.48
	3	240.94	216.11
	5	243.95	219.62
	10	249.09	222.73
	20	254.90	228.01
	25	257.06	229.81
	50	265.14	237.83
	75	275.85	247.08
	80	278.06	249.25
	90	284.50	254.74
	95	290.24	259.66
	97	294.84	263.96
	98	299.01	267.05
	99	304.20	271.37
English (in)			
	1	9.12	8.32
	2	9.37	8.44
	3	9.49	8.50
	5	9.61	8.64
	10	9.80	8.77
	20	10.04	8.98
	25	10.12	9.05
	50	10.44	9.36
	75	10.86	9.72
	80	10.94	9.81
	90	11.20	10.03
	95	11.43	10.23
	97	11.60	10.39
	98	11.77	10.51
	99	11.98	10.68

17. CAESAR Name: HAND CIRCUMFERENCE, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	211.41	8.32	184.24	7.25
SE Mean	0.36	0.01	0.32	0.01
STD	12.04	0.33	11.36	0.36



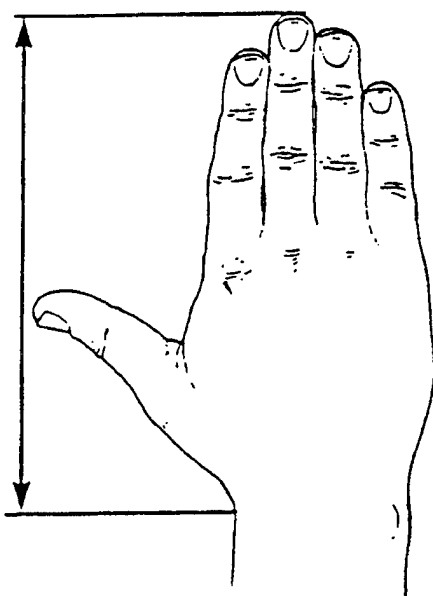
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	186.86	160.75
	2	188.91	162.68
	3	191.01	164.66
	5	193.29	167.23
	10	196.54	171.21
	20	201.78	175.13
	25	203.57	176.74
	50	210.79	183.50
	75	218.27	189.95
	80	220.00	192.46
	90	224.66	196.90
	95	229.51	201.16
	97	232.04	203.62
	98	232.98	205.56
	99	236.53	208.37
English (in)			
	1	7.35	6.33
	2	7.44	6.41
	3	7.52	6.49
	5	7.61	6.58
	10	7.74	6.74
	20	7.94	6.90
	25	8.01	6.96
	50	8.30	7.22
	75	8.59	7.48
	80	8.66	7.58
	90	8.85	7.76
	95	9.04	7.92
	97	9.13	8.01
	98	9.17	8.09
	99	9.31	8.20

18. CAESAR Name: HAND LENGTH, RIGHT

ISO Reference No. 4.3.1

ISO Name: Hand Length

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1259.60	1259.60
Mean	202.00	7.95	181.70	7.15
SE Mean	0.36	0.01	0.34	0.01
STD	12.04	0.33	12.07	0.35



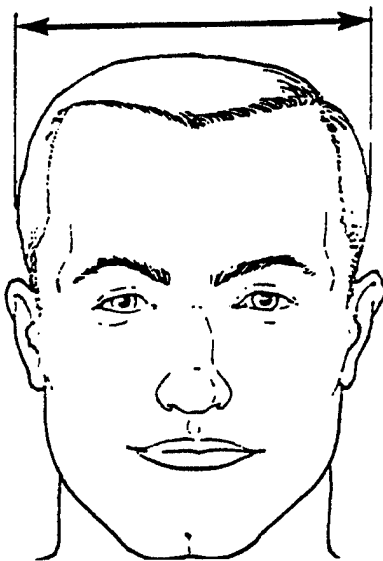
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	178.10	159.43
	2	180.97	163.03
	3	183.06	163.85
	5	185.53	166.10
	10	188.62	168.72
	20	193.19	172.43
	25	194.51	173.85
	50	201.22	180.26
	75	208.20	187.78
	80	210.09	189.84
	90	214.99	194.72
	95	219.46	199.04
	97	221.90	202.58
	98	224.06	205.47
	99	229.50	208.92
English (in)			
	1	7.01	6.28
	2	7.13	6.42
	3	7.20	6.45
	5	7.30	6.54
	10	7.42	6.64
	20	7.61	6.79
	25	7.66	6.84
	50	7.92	7.10
	75	8.20	7.39
	80	8.27	7.47
	90	8.46	7.67
	95	8.64	7.83
	97	8.74	7.97
	98	8.82	8.09
	99	9.04	8.23

19. CAESAR Name: HEAD BREADTH

ISO Reference No. 4.3.10

ISO Name: Head Breadth

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.22	1260.22
Mean	154.54	6.08	146.22	5.76
SE Mean	0.20	0.01	0.15	0.01
STD	6.69	0.33	5.32	0.35



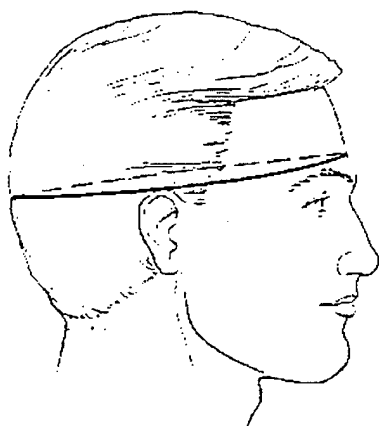
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	141.59	134.09
	2	142.70	135.11
	3	143.45	136.10
	5	144.68	137.24
	10	146.54	139.69
	20	149.14	141.66
	25	150.19	142.42
	50	153.84	145.36
	75	157.44	148.87
	80	158.71	149.94
	90	161.68	152.19
	95	163.71	153.99
	97	165.65	156.38
	98	166.75	157.74
	99	169.84	159.27
English (in)			
	1	5.57	5.28
	2	5.62	5.31
	3	5.65	5.35
	5	5.70	5.40
	10	5.77	5.50
	20	5.88	5.58
	25	5.92	5.61
	50	6.05	5.72
	75	6.20	5.86
	80	6.25	5.91
	90	6.37	5.99
	95	6.45	6.06
	97	6.53	6.16
	98	6.56	6.21
	99	6.68	6.27

20. CAESAR Name: HEAD CIRCUMFERENCE

ISO Reference No. 4.3.12

ISO Name: Head Circumference

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.22	1260.22
Mean	577.07	22.72	551.98	21.73
SE Mean	0.54	0.02	0.51	0.02
STD	18.06	0.67	18.10	0.71



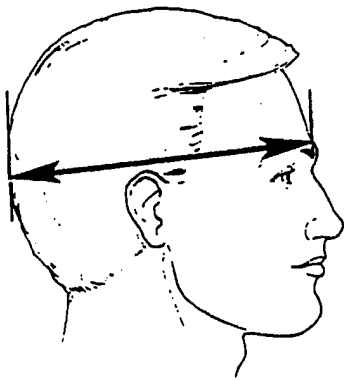
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	542.54	518.44
	2	544.42	521.11
	3	546.70	522.69
	5	551.16	525.02
	10	555.35	531.52
	20	562.79	536.78
	25	565.44	539.38
	50	576.38	551.07
	75	587.53	561.85
	80	589.78	564.75
	90	597.97	572.94
	95	604.29	580.74
	97	607.91	586.02
	98	611.25	591.06
	99	616.11	595.86
English (in)			
	1	21.36	20.41
	2	21.44	20.51
	3	21.52	20.58
	5	21.70	20.67
	10	21.86	20.93
	20	22.16	21.13
	25	22.26	21.24
	50	22.70	21.69
	75	23.13	22.12
	80	23.22	22.23
	90	23.54	22.56
	95	23.79	22.86
	97	23.94	23.07
	98	24.07	23.27
	99	24.25	23.46

21. CAESAR Name: HEAD LENGTH

ISO Reference No. 4.3.9

ISO Name: Head Length

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.22	1260.22
Mean	199.93	7.87	188.53	7.42
SE Mean	0.31	0.01	0.20	0.01
STD	10.37	0.33	7.10	0.35



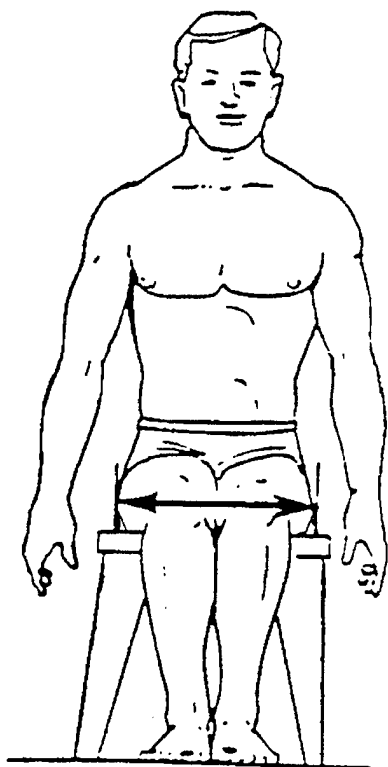
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	182.52	172.35
	2	183.56	173.81
	3	185.05	175.07
	5	186.97	176.54
	10	190.28	179.43
	20	193.91	182.87
	25	195.01	183.74
	50	199.65	187.91
	75	204.42	192.58
	80	205.63	193.70
	90	209.07	196.74
	95	211.63	198.92
	97	212.80	200.48
	98	213.64	201.16
	99	215.78	202.54
English (in)			
	1	7.19	6.78
	2	7.22	6.84
	3	7.28	6.89
	5	7.36	6.95
	10	7.49	7.07
	20	7.64	7.20
	25	7.68	7.23
	50	7.86	7.40
	75	8.05	7.58
	80	8.10	7.63
	90	8.23	7.75
	95	8.34	7.83
	97	8.38	7.89
	98	8.42	7.92
	99	8.49	7.97

22. CAESAR Name: HIP BREADTH, SITTING

ISO Reference No. 4.2.11

ISO Name: Hip Breadth, Sitting

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1259.00	1259.00
Weighted Size	1117.11	1117.11	1259.41	1259.41
Mean	376.25	14.81	410.41	16.16
SE Mean	1.14	0.04	1.49	0.06
STD	38.10	1.34	52.88	2.13



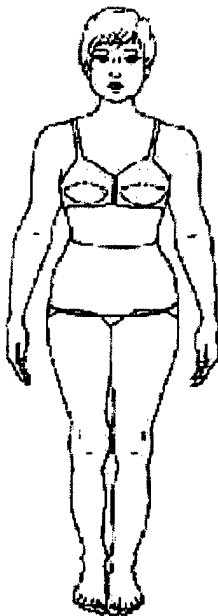
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	310.53	331.48
	2	319.74	337.97
	3	323.44	342.50
	5	328.96	348.43
	10	337.43	357.72
	20	348.96	372.15
	25	353.67	376.74
	50	371.62	403.38
	75	393.15	434.02
	80	399.85	443.25
	90	415.64	470.72
	95	435.42	501.04
	97	447.40	524.38
	98	463.17	533.72
	99	482.99	556.62
English (in)			
	1	12.22	13.05
	2	12.59	13.31
	3	12.74	13.48
	5	12.95	13.72
	10	13.29	14.08
	20	13.74	14.66
	25	13.93	14.83
	50	14.63	15.89
	75	15.48	17.09
	80	15.74	17.45
	90	16.37	18.53
	95	17.15	19.72
	97	17.62	20.65
	98	18.24	21.01
	99	19.02	21.91

23. CAESAR Name: HIP CIRCUMFERENCE, MAXIMUM

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1259.00	1259.00
Weighted Size	1119.00	1119.00	1258.24	1258.24
Mean	1032.05	40.63	1061.11	41.78
SE Mean	2.93	0.12	4.04	0.16
STD	98.01	4.01	143.31	5.68



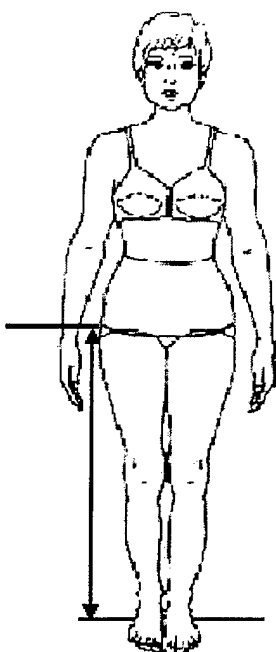
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	872.87	866.78
	2	896.42	883.71
	3	906.11	896.68
	5	917.65	910.89
	10	940.53	932.20
	20	959.44	964.14
	25	968.10	974.94
	50	1017.71	1034.13
	75	1073.97	1111.04
	80	1089.72	1139.02
	90	1132.07	1222.81
	95	1193.74	1306.00
	97	1217.80	1371.88
	98	1257.26	1429.09
	99	1384.18	1526.82
English (in)			
	1	34.36	34.13
	2	35.29	34.79
	3	35.67	35.30
	5	36.13	35.87
	10	37.03	36.70
	20	37.78	37.96
	25	38.11	38.39
	50	40.07	40.72
	75	42.28	43.74
	80	42.90	44.84
	90	44.57	48.14
	95	47.00	51.42
	97	47.94	54.02
	98	49.50	56.26
	99	54.50	60.11

24. CAESAR Name: HIP CIRCUMFERENCE, MAXIMUM, HEIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1259.00	1259.00
Weighted Size	1118.21	1118.21	1259.30	1259.30
Mean	882.17	34.73	816.76	32.16
SE Mean	2.01	0.08	1.80	0.07
STD	67.21	2.68	63.88	2.48



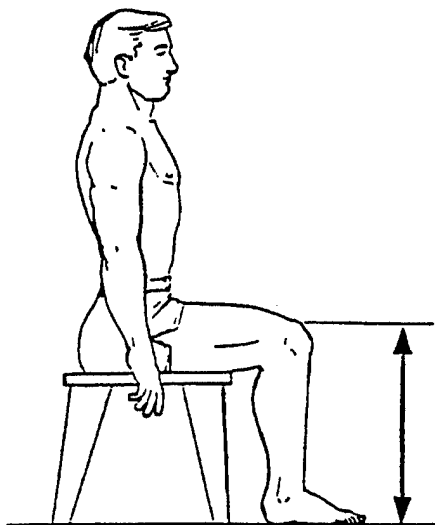
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	743.85	698.53
	2	767.34	714.27
	3	776.14	722.51
	5	791.54	730.33
	10	811.63	745.85
	20	839.10	765.76
	25	845.81	774.01
	50	879.15	809.72
	75	914.43	853.35
	80	923.47	863.62
	90	955.17	894.75
	95	973.29	924.12
	97	989.15	945.76
	98	1014.41	959.86
	99	1033.53	973.96
English (in)			
	1	29.29	27.50
	2	30.21	28.12
	3	30.56	28.45
	5	31.16	28.75
	10	31.96	29.36
	20	33.03	30.15
	25	33.30	30.47
	50	34.62	31.88
	75	36.00	33.59
	80	36.36	34.00
	90	37.61	35.23
	95	38.32	36.38
	97	38.95	37.23
	98	39.94	37.79
	99	40.69	38.35

25. CAESAR Name: KNEE HEIGHT, SITTING, RIGHT

ISO Reference No. 4.2.14

ISO Name: Knee Height

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	558.03	21.97	508.49	20.02
SE Mean	0.96	0.04	0.88	0.03
STD	32.11	1.34	31.25	1.07



		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	489.47	450.10
	2	495.76	458.43
	3	506.23	461.26
	5	512.62	465.52
	10	522.85	474.61
	20	533.50	483.90
	25	537.02	488.73
	50	556.25	505.72
	75	575.64	526.28
	80	581.91	531.49
	90	596.40	545.25
	95	606.83	555.51
	97	619.43	564.08
	98	625.21	570.91
	99	637.78	584.67
English (in)			
	1	19.27	17.72
	2	19.52	18.05
	3	19.93	18.16
	5	20.18	18.33
	10	20.58	18.68
	20	21.00	19.06
	25	21.14	19.24
	50	21.90	19.91
	75	22.67	20.72
	80	22.91	20.92
	90	23.48	21.47
	95	23.89	21.87
	97	24.39	22.20
	98	24.62	22.48
	99	25.11	23.02

26. CAESAR Name: NECK BASE CIRCUMFERENCE

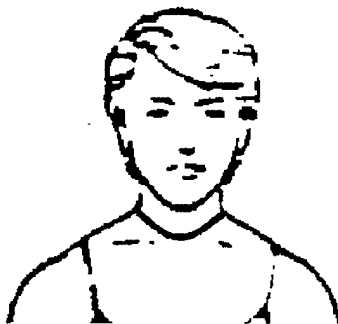
ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	463.37	18.24	411.45	16.20
SE Mean	0.89	0.03	0.85	0.03
STD	29.77	1.00	30.18	1.07



back



front

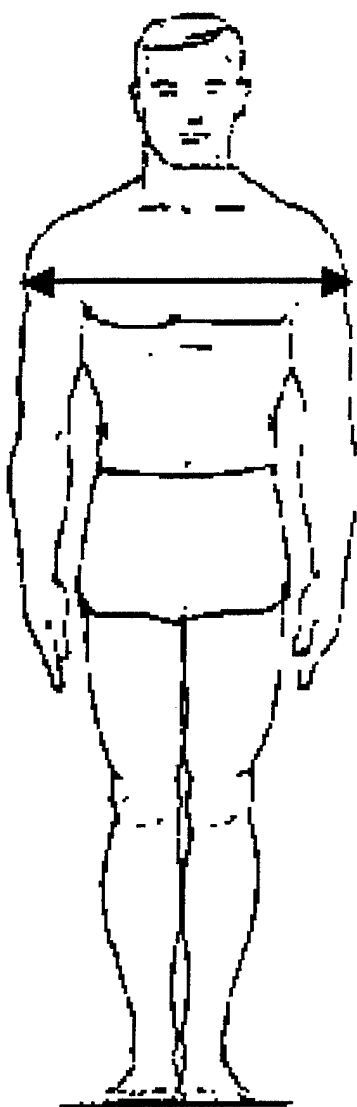
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	410.70	359.54
	2	416.65	364.74
	3	417.90	367.73
	5	422.90	372.41
	10	430.14	379.60
	20	439.02	389.45
	25	442.89	393.01
	50	460.68	407.47
	75	478.95	425.71
	80	483.64	430.29
	90	498.68	443.49
	95	514.43	460.73
	97	525.13	475.37
	98	536.03	481.13
	99	550.11	497.65
English (in)			
	1	16.17	14.15
	2	16.41	14.36
	3	16.46	14.48
	5	16.65	14.67
	10	16.94	14.94
	20	17.28	15.33
	25	17.44	15.47
	50	18.14	16.04
	75	18.86	16.76
	80	19.05	16.94
	90	19.64	17.46
	95	20.26	18.14
	97	20.68	18.71
	98	21.10	18.95
	99	21.65	19.60

27. CAESAR Name: SHOULDER BREADTH (BIDELTOID)

ISO Reference No. 4.2.9

ISO Name: Shoulder (Bideltoïd) Breadth

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	490.38	19.31	431.41	16.98
SE Mean	1.13	0.04	1.10	0.04
STD	37.80	1.34	39.06	1.42



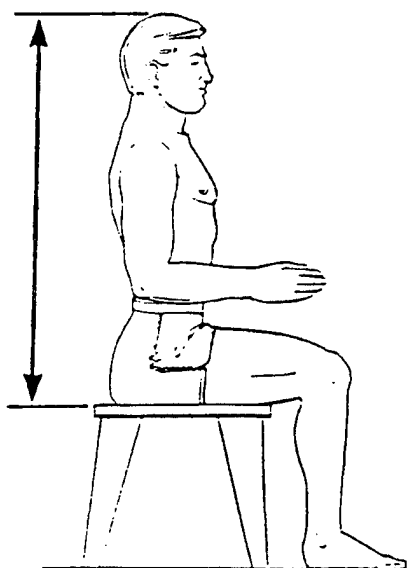
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	422.17	371.57
	2	430.54	377.77
	3	434.00	381.21
	5	440.08	384.76
	10	448.93	392.65
	20	461.33	403.66
	25	465.35	407.89
	50	486.05	425.58
	75	510.76	447.25
	80	517.19	454.30
	90	533.20	476.05
	95	550.31	492.95
	97	561.18	509.81
	98	570.83	524.35
	99	592.43	554.86
English (in)			
	1	16.62	14.63
	2	16.95	14.87
	3	17.09	15.01
	5	17.32	15.15
	10	17.68	15.46
	20	18.16	15.90
	25	18.32	16.06
	50	19.13	16.75
	75	20.11	17.61
	80	20.36	17.88
	90	20.99	18.74
	95	21.66	19.41
	97	22.10	20.07
	98	22.47	20.64
	99	23.33	21.84

28. CAESAR Name: SITTING HEIGHT

ISO Reference No. 4.2.1

ISO Name: Sitting Height (Erect)

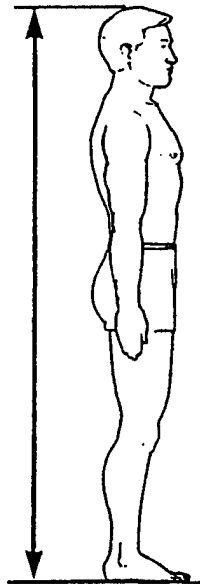
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.29	1260.29
Mean	920.58	36.24	864.13	34.02
SE Mean	1.28	0.05	1.09	0.04
STD	42.82	1.67	38.70	1.42



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	827.26	783.00
	2	835.27	792.86
	3	845.78	801.13
	5	856.05	809.19
	10	871.79	818.93
	20	888.02	834.14
	25	895.07	839.68
	50	918.96	861.37
	75	946.30	886.42
	80	952.94	894.78
	90	970.16	910.76
	95	985.12	924.78
	97	998.34	936.92
	98	1004.12	940.96
	99	1017.94	952.45
English (in)			
	1	32.57	30.83
	2	32.88	31.21
	3	33.30	31.54
	5	33.70	31.86
	10	34.32	32.24
	20	34.96	32.84
	25	35.24	33.06
	50	36.18	33.91
	75	37.25	34.90
	80	37.52	35.23
	90	38.20	35.86
	95	38.78	36.41
	97	39.30	36.89
	98	39.53	37.05
	99	40.08	37.50

29. CAESAR Name: STATURE
 ISO Reference No. 4.1.2
 ISO Name: Stature (Body Height)

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	1766.59	69.55	1637.94	64.49
SE Mean	2.41	0.10	2.21	0.09
STD	80.62	3.35	78.43	3.19



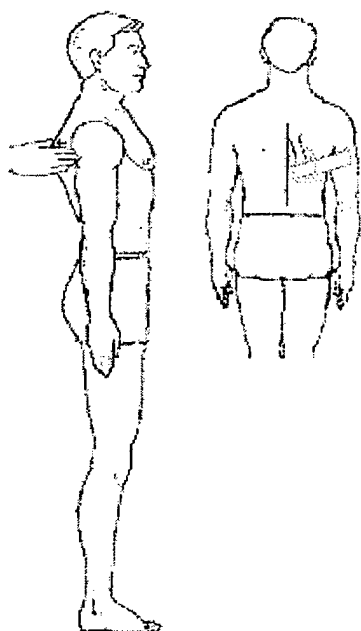
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1605.52	1490.75
	2	1616.80	1507.43
	3	1627.23	1513.89
	5	1650.23	1525.98
	10	1679.85	1552.28
	20	1705.33	1576.66
	25	1714.94	1588.15
	50	1758.99	1629.50
	75	1812.29	1684.84
	80	1825.98	1696.10
	90	1864.56	1733.54
	95	1900.75	1767.19
	97	1921.86	1779.15
	98	1940.55	1798.26
	99	1964.99	1824.98
English (in)			
	1	63.21	58.69
	2	63.65	59.35
	3	64.07	59.61
	5	64.97	60.08
	10	66.13	61.11
	20	67.14	62.08
	25	67.52	62.53
	50	69.25	64.15
	75	71.35	66.33
	80	71.89	66.77
	90	73.41	68.25
	95	74.83	69.58
	97	75.66	70.05
	98	76.40	70.80
	99	77.36	71.85

30. CAESAR Name: SUBSCAPULAR SKINFOLD, RIGHT

ISO Reference No. N/A

ISO Name:

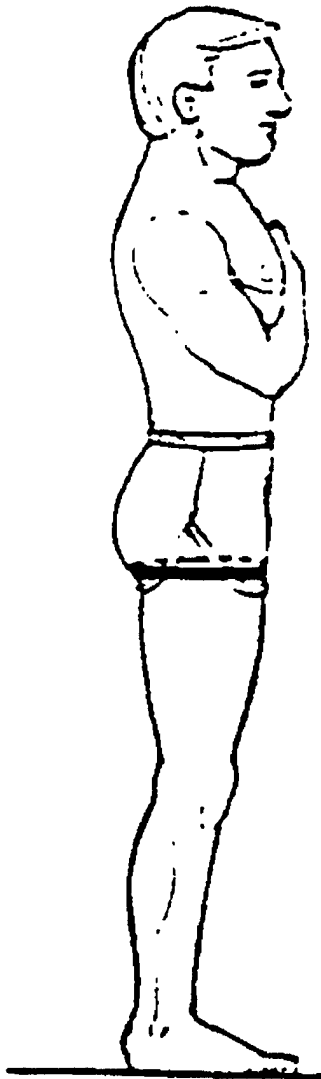
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1260.00	1260.00
Weighted Size	1118.21	1118.21	1260.21	1260.21
Mean	18.59	0.73	21.55	0.85
SE Mean	0.32	0.01	0.37	0.01
STD	10.70	0.33	13.13	0.35



		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	5.81	5.64
	2	6.28	6.55
	3	6.59	6.89
	5	7.20	7.71
	10	8.17	8.95
	20	10.00	10.93
	25	10.83	12.07
	50	15.92	17.94
	75	23.65	27.98
	80	25.36	30.79
	90	32.45	38.60
	95	37.33	44.15
	97	40.04	50.46
	98	44.42	54.12
	99	53.14	58.15
English (in)			
	1	0.23	0.23
	2	0.25	0.26
	3	0.26	0.28
	5	0.29	0.30
	10	0.32	0.35
	20	0.39	0.43
	25	0.42	0.47
	50	0.63	0.71
	75	0.93	1.10
	80	0.99	1.21
	90	1.28	1.52
	95	1.47	1.74
	97	1.57	1.99
	98	1.75	2.13
	99	2.10	2.29

31. CAESAR Name: THIGH CIRCUMFERENCE, MAXIMUM, RIGHT
ISO Reference No. N/A
ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	600.38	23.64	611.47	24.07
SE Mean	1.89	0.07	2.44	0.10
STD	63.22	2.34	86.65	3.55



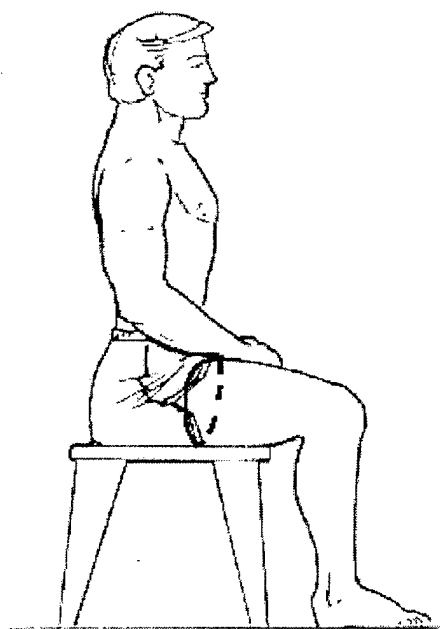
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	484.54	477.41
	2	494.64	497.44
	3	502.96	503.89
	5	520.18	510.78
	10	535.31	529.82
	20	555.31	549.19
	25	561.58	558.35
	50	590.90	596.85
	75	630.19	649.09
	80	642.56	665.66
	90	668.21	715.86
	95	710.61	756.65
	97	737.77	784.98
	98	751.16	803.15
	99	771.63	837.73
English (in)			
	1	19.08	18.80
	2	19.48	19.59
	3	19.80	19.84
	5	20.48	20.11
	10	21.07	20.86
	20	21.86	21.62
	25	22.11	21.98
	50	23.27	23.49
	75	24.81	25.55
	80	25.30	26.21
	90	26.31	28.18
	95	27.97	29.79
	97	29.05	30.91
	98	29.58	31.62
	99	30.38	32.98

32. CAESAR Name: THIGH CIRCUMFERENCE, MAXIMUM, SITTING, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1260.00	1260.00
Weighted Size	1119.00	1119.00	1260.21	1260.21
Mean	601.28	23.67	610.78	24.05
SE Mean	1.90	0.07	2.40	0.09
STD	63.56	2.34	85.20	3.19



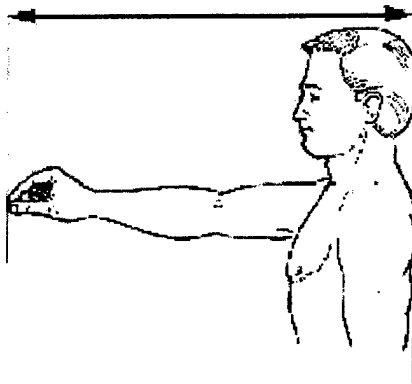
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	477.87	483.54
	2	497.80	493.63
	3	508.73	504.59
	5	518.29	511.14
	10	533.39	529.24
	20	554.27	549.46
	25	561.73	559.80
	50	594.20	596.06
	75	631.74	651.13
	80	642.74	665.47
	90	672.60	710.43
	95	709.22	748.75
	97	733.82	772.98
	98	747.77	792.45
	99	774.15	823.07
English (in)			
	1	18.81	19.04
	2	19.60	19.44
	3	20.03	19.86
	5	20.40	20.13
	10	21.00	20.84
	20	21.82	21.63
	25	22.12	22.04
	50	23.40	23.46
	75	24.87	25.64
	80	25.30	26.20
	90	26.48	27.97
	95	27.92	29.48
	97	28.89	30.43
	98	29.44	31.20
	99	30.48	32.40

33. CAESAR Name: THUMB TIP REACH, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	807.76	31.80	737.09	29.02
SE Mean	1.36	0.05	1.22	0.05
STD	45.49	1.67	43.32	1.78



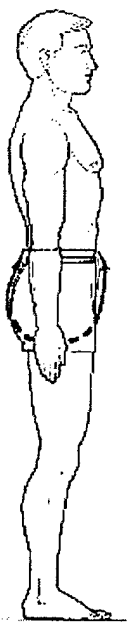
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	716.86	650.35
	2	728.59	662.56
	3	735.70	670.00
	5	744.71	679.97
	10	757.51	688.24
	20	771.55	702.15
	25	777.44	707.54
	50	804.36	735.46
	75	833.83	763.37
	80	840.85	768.76
	90	864.49	786.39
	95	877.84	805.47
	97	889.83	817.70
	98	899.58	828.40
	99	912.27	838.81
English (in)			
	1	28.22	25.60
	2	28.69	26.09
	3	28.97	26.38
	5	29.32	26.77
	10	29.83	27.10
	20	30.38	27.65
	25	30.60	27.86
	50	31.67	28.96
	75	32.83	30.05
	80	33.10	30.27
	90	34.04	30.96
	95	34.56	31.71
	97	35.03	32.19
	98	35.42	32.61
	99	35.92	33.02

34. CAESAR Name: TOTAL CROTCH LENGTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1261.00	1261.00
Weighted Size	1117.76	1117.76	1261.00	1261.00
Mean	647.21	25.48	694.51	27.34
SE Mean	1.92	0.08	2.45	0.10
STD	64.19	2.67	87.00	3.55



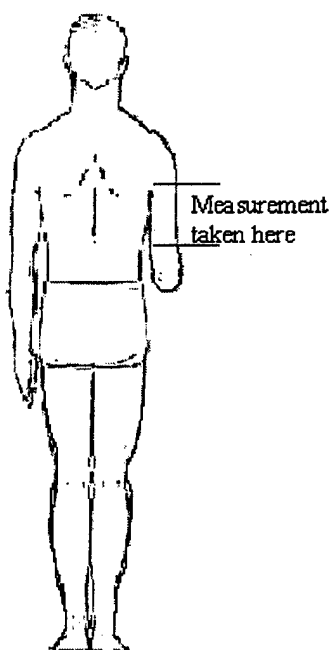
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	542.08	534.23
	2	550.39	547.70
	3	557.01	555.33
	5	568.44	571.55
	10	579.98	598.84
	20	602.03	634.06
	25	607.04	643.84
	50	636.80	690.88
	75	673.21	741.45
	80	683.81	753.62
	90	724.69	787.53
	95	759.89	826.05
	97	782.69	846.70
	98	795.61	868.46
	99	842.94	904.18
English (in)			
	1	21.34	21.03
	2	21.67	21.56
	3	21.93	21.86
	5	22.38	22.50
	10	22.83	23.57
	20	23.70	24.96
	25	23.90	25.34
	50	25.07	27.20
	75	26.51	29.19
	80	26.92	29.67
	90	28.53	31.00
	95	29.92	32.52
	97	30.82	33.34
	98	31.32	34.19
	99	33.19	35.60

35. CAESAR Name: TRICEPS SKINFOLD

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1261.00	1261.00
Weighted Size	1116.91	1116.91	1261.00	1261.00
Mean	12.69	0.50	23.95	0.94
SE Mean	0.24	0.01	0.31	0.01
STD	8.02	0.33	11.01	0.36



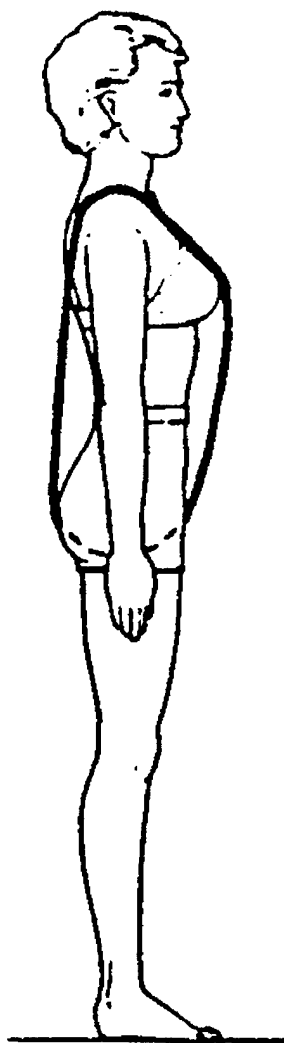
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	3.13	6.83
	2	3.64	8.58
	3	3.89	9.61
	5	4.40	10.78
	10	5.76	12.49
	20	6.95	15.57
	25	7.59	16.66
	50	11.17	22.10
	75	15.36	29.58
	80	16.55	31.29
	90	21.39	36.33
	95	26.26	41.93
	97	28.95	44.75
	98	30.61	48.46
	99	31.88	55.53
English (in)			
	1	0.13	0.27
	2	0.15	0.33
	3	0.16	0.37
	5	0.18	0.42
	10	0.23	0.49
	20	0.28	0.61
	25	0.30	0.66
	50	0.44	0.87
	75	0.60	1.16
	80	0.65	1.23
	90	0.85	1.43
	95	1.03	1.65
	97	1.14	1.76
	98	1.20	1.91
	99	1.26	2.19

36. CAESAR Name: VERTICAL TRUNK CIRCUMFERENCE, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1261.00	1261.00
Weighted Size	1118.21	1118.21	1261.00	1261.00
Mean	1705.01	67.13	1577.45	62.10
SE Mean	3.23	0.13	3.29	0.13
STD	108.01	4.35	116.83	4.62



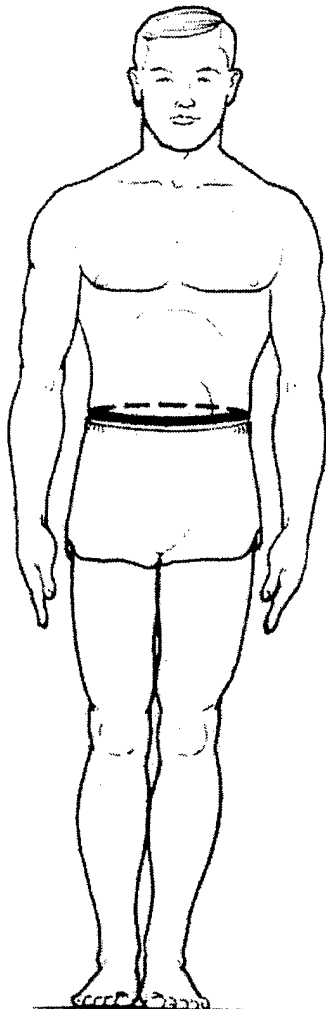
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1520.10	1398.13
	2	1538.72	1412.04
	3	1546.25	1422.27
	5	1558.06	1435.62
	10	1589.83	1458.78
	20	1623.45	1492.02
	25	1636.01	1504.43
	50	1690.45	1563.00
	75	1760.13	1628.46
	80	1778.26	1648.35
	90	1838.72	1705.66
	95	1886.93	1770.82
	97	1923.27	1825.36
	98	1963.01	1866.09
	99	2024.00	1913.81
English (in)			
	1	59.85	55.05
	2	60.58	55.59
	3	60.88	55.99
	5	61.34	56.52
	10	62.59	57.43
	20	63.92	58.74
	25	64.41	59.23
	50	66.55	61.54
	75	69.30	64.11
	80	70.01	64.89
	90	72.39	67.16
	95	74.29	69.71
	97	75.72	71.86
	98	77.28	73.47
	99	79.68	75.35

37. CAESAR Name: WAIST CIRCUMFERENCE, PREFERRED

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1259.00	1259.00
Weighted Size	1118.25	1118.25	1259.06	1259.06
Mean	894.85	35.23	796.03	31.34
SE Mean	3.78	0.15	4.35	0.17
STD	126.40	5.02	154.35	6.03



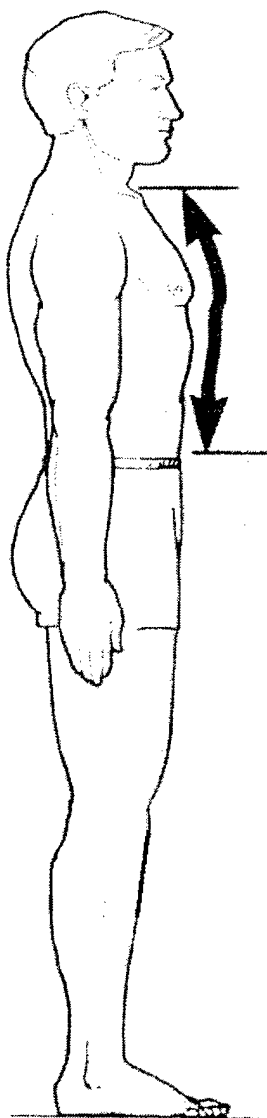
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	703.79	585.00
	2	721.96	614.23
	3	735.31	619.99
	5	745.62	633.90
	10	770.82	655.98
	20	804.32	690.53
	25	817.12	704.30
	50	871.96	761.59
	75	947.26	855.09
	80	963.98	884.97
	90	1039.13	975.05
	95	1114.10	1065.54
	97	1159.23	1120.38
	98	1208.36	1167.85
	99	1320.32	1280.80
English (in)			
	1	27.71	23.03
	2	28.42	24.18
	3	28.95	24.41
	5	29.35	24.96
	10	30.34	25.83
	20	31.66	27.19
	25	32.17	27.73
	50	34.33	29.98
	75	37.29	33.66
	80	37.95	34.84
	90	40.91	38.39
	95	43.86	41.95
	97	45.64	44.11
	98	47.57	45.98
	99	51.98	50.42

38. CAESAR Name: WAIST FRONT LENGTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	462.44	18.21	377.12	14.85
SE Mean	1.58	0.06	1.31	0.05
STD	52.85	2.01	46.52	1.78



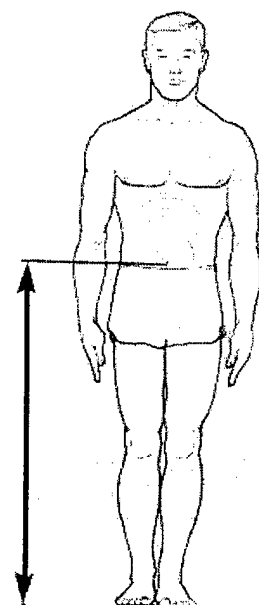
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	366.98	303.22
	2	377.63	309.56
	3	383.03	314.36
	5	393.24	322.29
	10	407.08	331.08
	20	424.32	342.97
	25	430.39	348.01
	50	456.12	369.90
	75	488.12	397.95
	80	496.53	407.34
	90	522.39	430.11
	95	547.72	451.11
	97	567.55	466.70
	98	582.50	479.73
	99	616.04	505.78
English (in)			
	1	14.45	11.94
	2	14.87	12.19
	3	15.08	12.37
	5	15.48	12.69
	10	16.02	13.03
	20	16.70	13.50
	25	16.95	13.70
	50	17.95	14.57
	75	19.21	15.67
	80	19.55	16.03
	90	20.57	16.93
	95	21.56	17.76
	97	22.34	18.38
	98	22.93	18.89
	99	24.25	19.91

39. CAESAR Name: WAIST HEIGHT, PREFERRED

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	1037.47	40.85	1006.81	39.64
SE Mean	1.88	0.07	1.78	0.07
STD	62.89	2.34	63.21	2.49



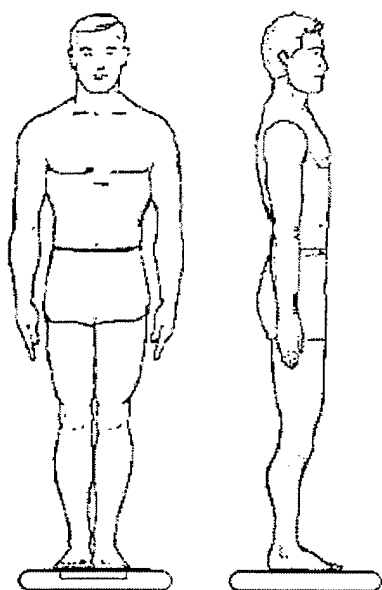
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	914.91	891.10
	2	933.39	899.65
	3	938.31	909.30
	5	951.52	917.60
	10	970.00	936.97
	20	991.14	959.27
	25	1000.39	967.11
	50	1034.29	1004.25
	75	1070.86	1042.13
	80	1078.95	1052.61
	90	1107.32	1079.42
	95	1134.38	1105.47
	97	1148.94	1116.20
	98	1164.22	1132.64
	99	1177.80	1151.14
English (in)			
	1	36.02	35.08
	2	36.75	35.42
	3	36.94	35.80
	5	37.46	36.12
	10	38.19	36.89
	20	39.03	37.77
	25	39.39	38.07
	50	40.72	39.54
	75	42.16	41.03
	80	42.48	41.44
	90	43.59	42.50
	95	44.67	43.52
	97	45.24	43.95
	98	45.84	44.60
	99	46.37	45.32

40. CAESAR Name: WEIGHT (MASS)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (kg)	English (lb)	Metric (kg)	English (lb)
Sample Size	1119.00	1119.00	1261.00	1261.00
Weighted Size	1119.00	1119.00	1261.00	1261.00
Mean	83.19	183.43	69.59	153.45
SE Mean	0.52	1.14	0.56	1.23
STD	17.39	38.13	19.89	43.68



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (kg)			
	1	56.32	44.56
	2	58.30	46.06
	3	60.19	47.39
	5	63.26	49.20
	10	66.21	52.11
	20	69.60	56.04
	25	71.71	57.25
	50	79.56	65.85
	75	91.25	76.40
	80	94.72	79.92
	90	103.76	91.89
	95	114.60	103.24
	97	122.56	114.11
	98	131.61	121.00
	99	141.17	141.27
English (lb)			
	1	124.19	98.26
	2	128.54	101.56
	3	132.71	104.50
	5	139.48	108.47
	10	146.01	114.91
	20	153.47	123.56
	25	158.12	126.23
	50	175.43	145.20
	75	201.21	168.46
	80	208.86	176.21
	90	228.79	202.61
	95	252.69	227.65
	97	270.25	251.60
	98	290.21	266.81
	99	311.28	311.50

CHAPTER 3: STANDING SCAN EXTRACTED MEASUREMENTS

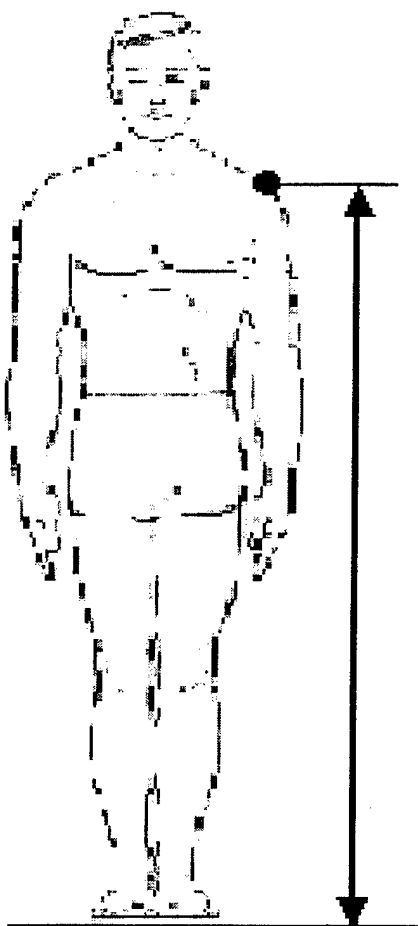
This chapter contains the sample size, weighted sample size, mean, standard error of the mean (SE Mean), standard deviation (STD), and selected percentiles for both men and women, and in both English (in. or lbs) and Metric (mm or kgs) units for the standing scan extracted measurements. The measurements are listed in alphabetical order.

41. CAESAR Name: ACROMIAL HEIGHT, STANDING, LEFT

ISO Reference No. 4.1.4

ISO Name: Shoulder Height

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1258.00	1258.00
Weighted Size	1113.58	1113.58	1257.28	1257.28
Mean	1452.93	57.20	1348.54	53.09
SE Mean	2.26	0.09	1.99	0.08
STD	75.42	3.00	70.56	2.84



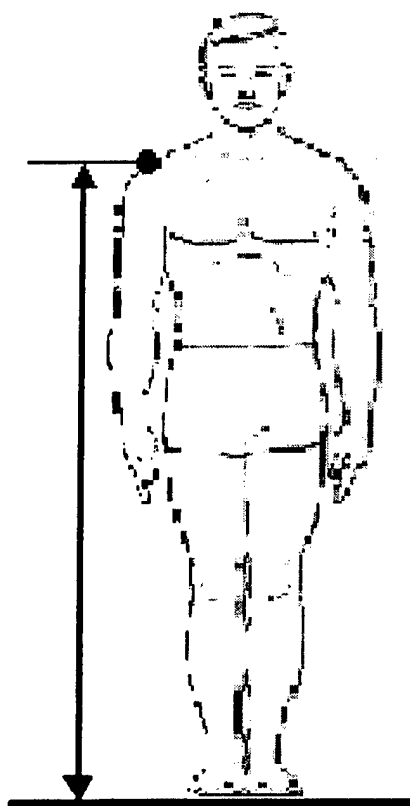
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1300.72	1217.12
	2	1308.55	1225.52
	3	1321.92	1234.89
	5	1343.72	1246.95
	10	1365.97	1268.19
	20	1395.01	1293.91
	25	1403.28	1304.69
	50	1447.41	1343.04
	75	1495.00	1388.02
	80	1508.92	1401.05
	90	1541.06	1432.34
	95	1575.97	1460.78
	97	1597.91	1480.66
	98	1609.41	1487.81
	99	1641.42	1521.19
English (in)			
	1	51.21	47.91
	2	51.52	48.25
	3	52.05	48.62
	5	52.90	49.09
	10	53.78	49.93
	20	54.92	50.94
	25	55.25	51.37
	50	56.99	52.87
	75	58.86	54.65
	80	59.41	55.16
	90	60.67	56.39
	95	62.05	57.51
	97	62.91	58.30
	98	63.37	58.57
	99	64.63	59.89

42. CAESAR Name: ACROMIAL HEIGHT, STANDING, RIGHT

ISO Reference No. 4.1.4

ISO Name: Shoulder Height, Right

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1258.00	1258.00
Weighted Size	1113.38	1113.38	1257.28	1257.28
Mean	1445.18	56.90	1342.51	52.85
SE Mean	2.29	0.09	1.97	0.08
STD	76.41	3.00	69.85	2.84



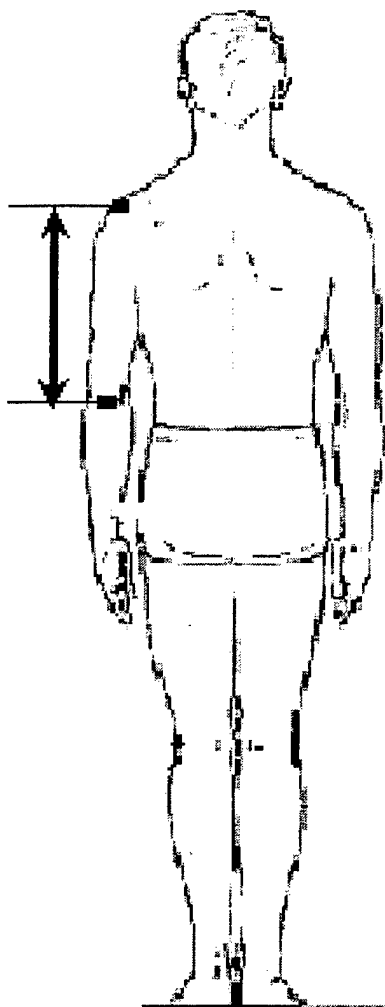
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1288.33	1210.03
	2	1303.60	1217.97
	3	1319.62	1225.36
	5	1340.65	1243.36
	10	1356.88	1262.41
	20	1384.90	1289.24
	25	1394.61	1299.07
	50	1441.94	1336.18
	75	1487.62	1380.62
	80	1500.19	1393.22
	90	1539.09	1423.70
	95	1569.95	1455.95
	97	1587.20	1473.40
	98	1597.81	1482.49
	99	1632.79	1514.40
English (in)			
	1	50.72	47.64
	2	51.32	47.95
	3	51.95	48.24
	5	52.78	48.95
	10	53.42	49.70
	20	54.53	50.76
	25	54.90	51.14
	50	56.77	52.61
	75	58.56	54.35
	80	59.07	54.85
	90	60.59	56.05
	95	61.81	57.32
	97	62.49	58.01
	98	62.90	58.37
	99	64.28	59.63

43. CAESAR Name: ACROMION-RADIALE LENGTH, LEFT

ISO Reference No. 4.2.6

ISO Name: Shoulder-Elbow Length

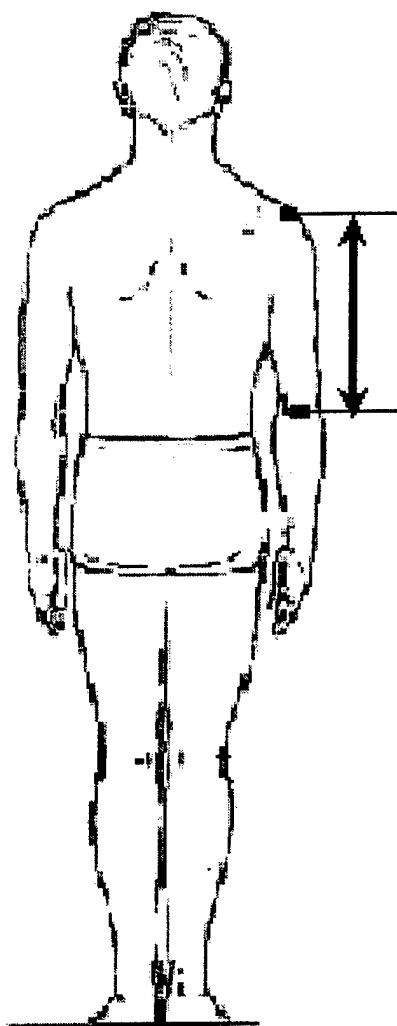
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1112.00	1112.00	1258.00	1258.00
Weighted Size	1112.49	1112.49	1257.28	1257.28
Mean	326.55	12.86	298.35	11.75
SE Mean	0.65	0.03	0.57	0.02
STD	21.68	1.00	20.21	0.71



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	281.43	260.19
	2	288.01	263.18
	3	291.72	265.41
	5	294.85	269.25
	10	301.78	275.74
	20	310.17	282.57
	25	313.12	285.43
	50	326.66	296.89
	75	339.15	310.39
	80	342.77	314.49
	90	352.73	322.69
	95	359.77	330.78
	97	363.57	335.66
	98	367.02	339.83
	99	374.63	344.36
English (in)			
	1	11.08	10.24
	2	11.34	10.36
	3	11.48	10.44
	5	11.61	10.59
	10	11.88	10.85
	20	12.21	11.12
	25	12.33	11.23
	50	12.86	11.69
	75	13.35	12.22
	80	13.49	12.38
	90	13.88	12.70
	95	14.17	13.02
	97	14.31	13.22
	98	14.43	13.38
	99	14.70	13.56

44. CAESAR Name: ACROMION-RADIALE LENGTH, RIGHT
 ISO Reference No. 4.2.6
 ISO Name: Shoulder-Elbow Length

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1258.00	1258.00
Weighted Size	1113.38	1113.38	1257.28	1257.28
Mean	328.01	12.91	300.82	11.84
SE Mean	0.63	0.02	0.56	0.02
STD	21.02	0.67	19.86	0.71



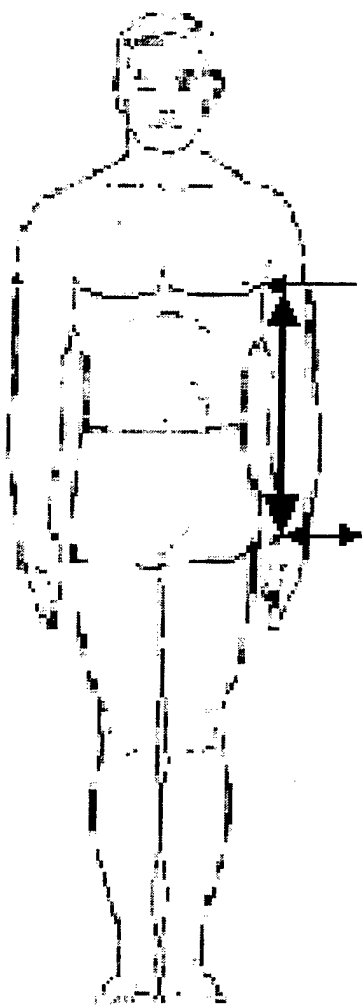
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	285.29	261.34
	2	290.35	264.66
	3	293.00	268.51
	5	297.44	272.66
	10	303.20	279.13
	20	312.08	285.02
	25	315.36	287.77
	50	327.04	299.61
	75	340.02	313.00
	80	343.65	315.54
	90	354.09	324.72
	95	360.27	332.65
	97	364.31	337.44
	98	368.21	341.66
	99	377.60	347.78
English (in)			
	1	11.23	10.29
	2	11.43	10.42
	3	11.54	10.56
	5	11.71	10.74
	10	11.94	10.98
	20	12.28	11.22
	25	12.41	11.33
	50	12.87	11.79
	75	13.39	12.32
	80	13.52	12.42
	90	13.93	12.78
	95	14.18	13.10
	97	14.34	13.28
	98	14.50	13.45
	99	14.86	13.69

45. CAESAR Name: ARM INSEAM, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	455.20	17.92	421.34	16.59
SE Mean	1.01	0.04	0.95	0.04
STD	33.71	1.34	33.70	1.42



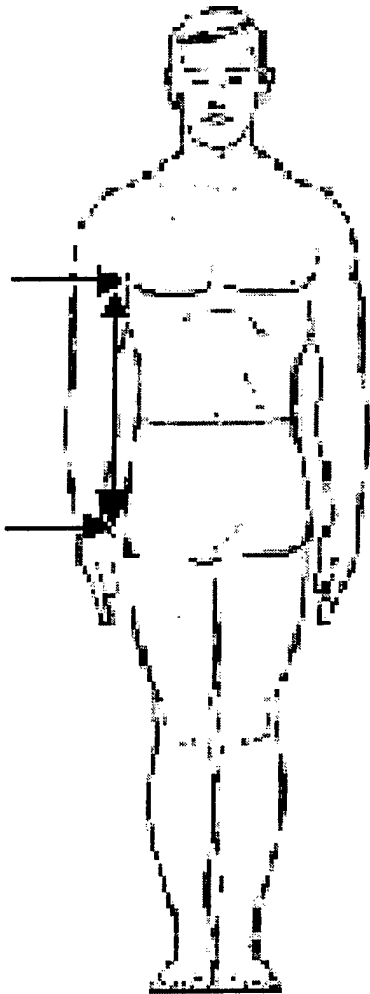
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	388.04	353.61
	2	395.53	358.66
	3	401.85	366.03
	5	407.31	372.36
	10	418.15	384.11
	20	429.65	396.65
	25	434.54	400.04
	50	454.28	420.83
	75	476.05	442.33
	80	480.39	446.44
	90	493.21	461.44
	95	504.47	473.27
	97	513.40	478.83
	98	520.53	485.09
	99	527.59	495.22
English (in)			
	1	15.28	13.92
	2	15.57	14.12
	3	15.82	14.38
	5	16.04	14.65
	10	16.46	15.12
	20	16.91	15.61
	25	17.10	15.75
	50	17.88	16.57
	75	18.74	17.41
	80	18.91	17.57
	90	19.41	18.17
	95	19.86	18.63
	97	20.21	18.85
	98	20.49	19.07
	99	20.77	19.49

46. CAESAR Name: ARM INSEAM, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	457.02	17.99	425.76	16.76
SE Mean	1.02	0.04	0.95	0.04
STD	34.04	1.34	33.70	1.42



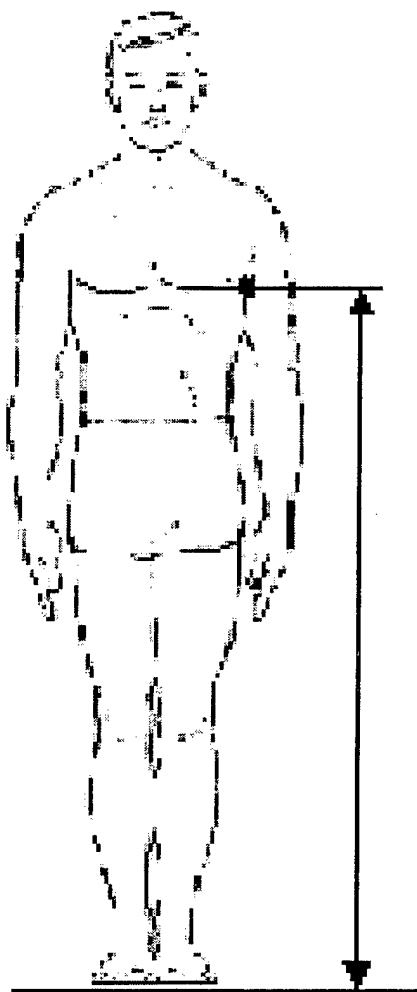
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	392.84	360.00
	2	400.20	364.29
	3	402.74	369.74
	5	408.66	376.08
	10	417.71	386.95
	20	432.36	400.68
	25	437.18	405.46
	50	455.55	424.97
	75	475.74	445.80
	80	481.80	451.55
	90	497.25	464.41
	95	507.77	475.89
	97	517.77	485.06
	98	521.44	491.19
	99	530.53	497.65
English (in)			
	1	15.47	14.16
	2	15.76	14.35
	3	15.86	14.56
	5	16.09	14.80
	10	16.44	15.23
	20	17.02	15.77
	25	17.21	15.96
	50	17.93	16.73
	75	18.72	17.55
	80	18.97	17.78
	90	19.57	18.28
	95	19.99	18.73
	97	20.38	19.09
	98	20.53	19.34
	99	20.89	19.59

47. CAESAR Name: AXILLA HEIGHT, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	1326.94	52.24	1235.17	48.63
SE Mean	2.11	0.08	1.89	0.07
STD	70.43	2.67	67.04	2.48



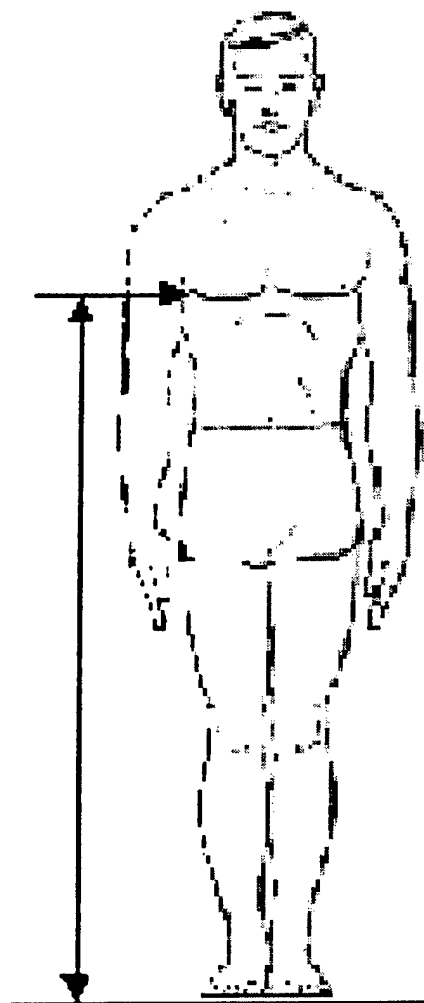
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1184.34	1103.31
	2	1194.73	1118.54
	3	1202.97	1128.41
	5	1222.08	1138.37
	10	1245.80	1159.01
	20	1273.60	1184.01
	25	1281.43	1191.91
	50	1321.65	1229.62
	75	1367.38	1275.49
	80	1379.04	1282.83
	90	1414.05	1315.99
	95	1442.13	1342.46
	97	1460.21	1354.30
	98	1479.18	1365.06
	99	1495.65	1397.32
English (in)			
	1	46.62	43.44
	2	47.04	44.04
	3	47.36	44.43
	5	48.11	44.81
	10	49.05	45.63
	20	50.14	46.61
	25	50.45	46.93
	50	52.04	48.41
	75	53.84	50.22
	80	54.29	50.50
	90	55.67	51.81
	95	56.78	52.85
	97	57.49	53.32
	98	58.24	53.74
	99	58.89	55.01

48. CAESAR Name: AXILLA HEIGHT, RIGHT

ISO Reference No. N/A

ISO Name:

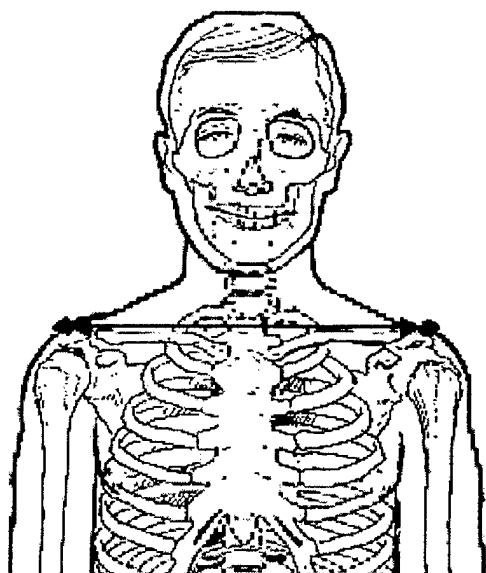
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	1322.05	52.05	1232.75	48.53
SE Mean	2.11	0.08	1.90	0.07
STD	70.43	2.67	67.40	2.48



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1178.42	1102.89
	2	1191.33	1113.03
	3	1200.30	1121.87
	5	1220.57	1138.79
	10	1240.29	1155.66
	20	1266.58	1180.59
	25	1274.42	1189.01
	50	1318.45	1225.99
	75	1363.73	1269.98
	80	1374.90	1283.03
	90	1409.91	1313.81
	95	1438.18	1341.35
	97	1453.86	1355.53
	98	1469.21	1363.54
	99	1489.29	1394.99
English (in)			
	1	46.40	43.42
	2	46.90	43.82
	3	47.25	44.16
	5	48.05	44.83
	10	48.83	45.50
	20	49.86	46.48
	25	50.18	46.81
	50	51.91	48.27
	75	53.69	50.00
	80	54.13	50.51
	90	55.46	51.72
	95	56.62	52.81
	97	57.24	53.37
	98	57.84	53.68
	99	58.63	54.92

49. CAESAR Name: BIACROMIAL BREADTH
 ISO Reference No. 4.2.8
 ISO Name: Shoulder (Biacromial) Breadth

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1112.00	1112.00	1258.00	1258.00
Weighted Size	1112.93	1112.93	1257.28	1257.28
Mean	418.63	16.48	375.90	14.80
SE Mean	0.69	0.03	0.63	0.02
STD	23.02	1.00	22.34	0.71



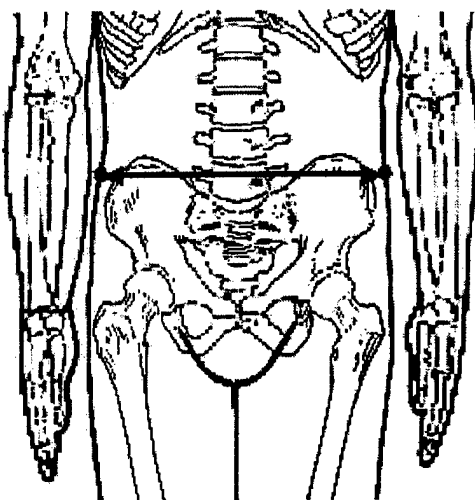
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	370.71	331.40
	2	378.11	335.32
	3	380.06	338.64
	5	383.37	343.26
	10	392.60	350.08
	20	401.32	358.15
	25	404.13	361.67
	50	418.24	375.44
	75	431.92	388.56
	80	435.32	391.92
	90	446.25	401.69
	95	454.58	411.69
	97	460.39	417.38
	98	463.62	421.32
	99	468.98	428.69
English (in)			
	1	14.59	13.05
	2	14.89	13.20
	3	14.96	13.33
	5	15.09	13.51
	10	15.45	13.78
	20	15.79	14.10
	25	15.91	14.24
	50	16.46	14.78
	75	17.00	15.30
	80	17.13	15.43
	90	17.57	15.81
	95	17.89	16.20
	97	18.12	16.43
	98	18.25	16.58
	99	18.46	16.88

50. CAESAR Name: BI-CRISTALE BREADTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1112.00	1112.00	1254.00	1254.00
Weighted Size	1111.37	1111.37	1253.56	1253.56
Mean	340.95	13.42	313.77	12.35
SE Mean	1.30	0.05	1.24	0.05
STD	43.34	1.67	43.90	1.77



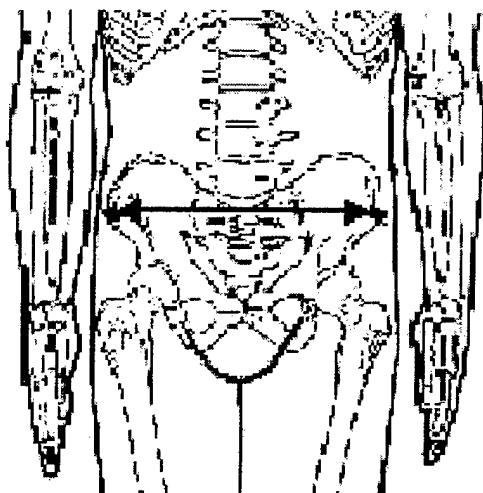
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	267.21	251.20
	2	274.91	257.83
	3	281.82	260.62
	5	286.07	265.82
	10	295.19	274.15
	20	308.91	283.48
	25	313.28	288.09
	50	335.76	305.69
	75	362.73	332.03
	80	370.39	339.44
	90	392.43	364.88
	95	413.10	387.38
	97	423.08	404.33
	98	440.81	421.58
	99	464.78	440.43
English (in)			
	1	10.52	9.89
	2	10.82	10.15
	3	11.09	10.26
	5	11.26	10.47
	10	11.61	10.79
	20	12.16	11.15
	25	12.33	11.34
	50	13.21	12.03
	75	14.28	13.07
	80	14.57	13.36
	90	15.45	14.37
	95	16.26	15.25
	97	16.66	15.92
	98	17.36	16.60
	99	18.30	17.34

51. CAESAR Name: BI-SPINOUS BREADTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1108.00	1108.00	1259.00	1259.00
Weighted Size	1108.31	1108.31	1258.20	1258.20
Mean	263.87	10.39	257.20	10.13
SE Mean	0.97	0.04	1.19	0.05
STD	32.29	1.33	42.21	1.77



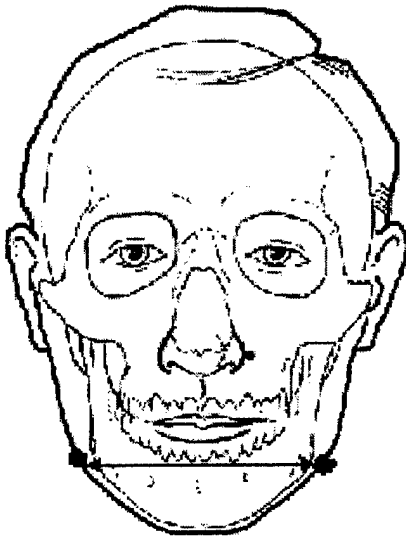
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	209.86	199.03
	2	218.35	202.74
	3	221.83	207.65
	5	227.30	211.74
	10	232.97	219.42
	20	240.83	228.84
	25	244.34	232.37
	50	259.48	248.90
	75	275.86	272.38
	80	280.96	279.92
	90	296.65	304.12
	95	319.02	330.23
	97	336.66	354.64
	98	345.27	373.33
	99	375.97	393.68
English (in)			
	1	8.26	7.83
	2	8.58	7.98
	3	8.73	8.17
	5	8.95	8.33
	10	9.17	8.63
	20	9.47	9.01
	25	9.61	9.14
	50	10.21	9.80
	75	10.86	10.72
	80	11.06	11.02
	90	11.68	11.97
	95	12.56	13.00
	97	13.26	13.96
	98	13.58	14.69
	99	14.80	15.50

52. CAESAR Name: BIGONIAL BREADTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1259.00	1259.00
Weighted Size	1113.27	1113.27	1258.20	1258.20
Mean	123.68	4.87	111.59	4.39
SE Mean	0.37	0.01	0.30	0.01
STD	12.35	0.33	10.64	0.35



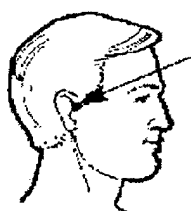
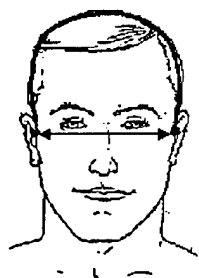
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	101.81	93.58
	2	104.80	95.04
	3	106.35	95.90
	5	108.39	97.90
	10	110.27	100.80
	20	113.92	104.36
	25	115.64	105.49
	50	122.56	110.79
	75	130.14	116.29
	80	132.28	117.91
	90	138.99	123.15
	95	143.83	129.47
	97	149.24	133.39
	98	150.89	135.82
	99	154.33	142.07
English (in)			
	1	4.00	3.68
	2	4.11	3.74
	3	4.18	3.77
	5	4.26	3.85
	10	4.34	3.96
	20	4.48	4.10
	25	4.55	4.15
	50	4.82	4.35
	75	5.12	4.57
	80	5.20	4.64
	90	5.47	4.85
	95	5.66	5.10
	97	5.87	5.25
	98	5.94	5.34
	99	6.07	5.59

53. CAESAR Name: BITRAGION BREADTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1256.00	1256.00
Weighted Size	1113.27	1113.27	1252.69	1252.69
Mean	149.65	5.89	140.05	5.51
SE Mean	0.24	0.01	0.21	0.01
STD	8.01	0.33	7.43	0.35



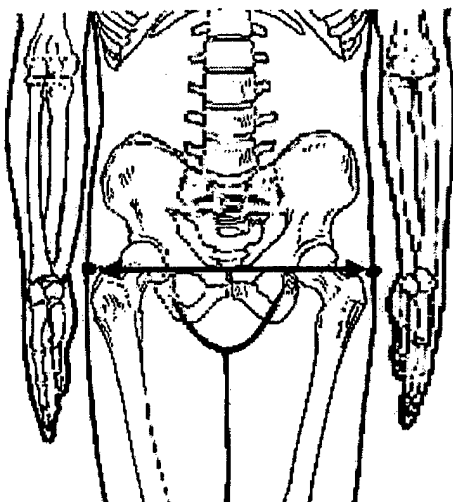
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	133.87	125.44
	2	135.68	127.02
	3	136.51	128.61
	5	138.14	130.01
	10	140.88	131.90
	20	143.60	134.51
	25	144.78	135.49
	50	149.01	139.77
	75	153.73	144.18
	80	155.06	145.19
	90	159.19	148.42
	95	162.45	151.16
	97	164.49	153.40
	98	166.99	155.60
	99	171.46	158.78
English (in)			
	1	5.27	4.94
	2	5.34	4.99
	3	5.37	5.06
	5	5.43	5.12
	10	5.55	5.19
	20	5.65	5.29
	25	5.69	5.33
	50	5.86	5.50
	75	6.05	5.67
	80	6.10	5.71
	90	6.26	5.84
	95	6.39	5.95
	97	6.47	6.04
	98	6.57	6.12
	99	6.74	6.23

54. CAESAR Name: BI-TROCHANTERIC BREADTH, STANDING

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1256.00	1256.00
Weighted Size	1113.52	1113.52	1256.35	1256.35
Mean	363.91	14.33	376.46	14.82
SE Mean	0.94	0.04	1.28	0.05
STD	31.37	1.33	45.37	1.77



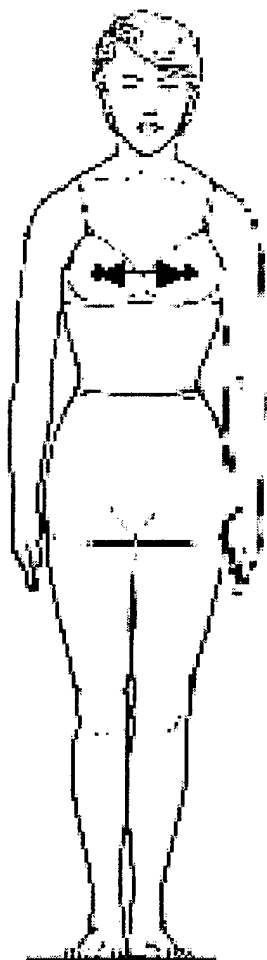
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	308.93	310.25
	2	312.02	316.01
	3	314.92	320.86
	5	321.85	325.69
	10	333.32	334.78
	20	340.64	344.35
	25	344.18	349.17
	50	360.57	370.64
	75	379.45	393.74
	80	384.09	401.38
	90	397.87	426.77
	95	411.61	450.19
	97	424.71	471.49
	98	439.61	490.12
	99	454.93	502.88
English (in)			
	1	12.16	12.21
	2	12.28	12.44
	3	12.39	12.63
	5	12.67	12.82
	10	13.12	13.18
	20	13.41	13.55
	25	13.55	13.74
	50	14.19	14.59
	75	14.94	15.50
	80	15.11	15.79
	90	15.66	16.80
	95	16.20	17.73
	97	16.72	18.53
	98	17.30	19.30
	99	17.91	19.80

55. CAESAR Name: BUSTPOINT-BUSTPOINT BREADTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	232.35	9.15	188.63	7.43
SE Mean	0.85	0.03	0.74	0.03
STD	28.37	1.00	26.25	1.06



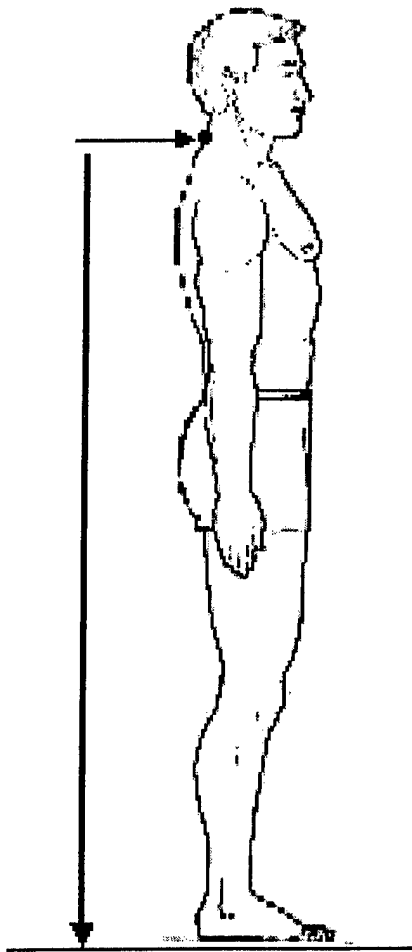
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	180.04	144.55
	2	185.43	148.26
	3	189.37	152.64
	5	193.51	155.76
	10	203.57	161.19
	20	211.81	168.87
	25	214.71	172.01
	50	228.77	185.59
	75	247.13	201.65
	80	253.56	206.10
	90	265.87	220.79
	95	277.28	232.93
	97	286.25	241.11
	98	293.56	247.04
	99	307.18	255.80
English (in)			
	1	7.09	5.68
	2	7.30	5.84
	3	7.46	6.01
	5	7.62	6.12
	10	8.01	6.34
	20	8.33	6.65
	25	8.44	6.77
	50	9.01	7.30
	75	9.73	7.94
	80	9.98	8.11
	90	10.47	8.69
	95	10.92	9.17
	97	11.27	9.49
	98	11.56	9.71
	99	12.09	10.07

56. CAESAR Name: CERVICALE HEIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1258.00	1258.00
Weighted Size	1114.02	1114.02	1257.41	1257.41
Mean	1523.41	59.98	1407.46	55.41
SE Mean	2.26	0.09	2.01	0.08
STD	75.43	3.00	71.27	2.84



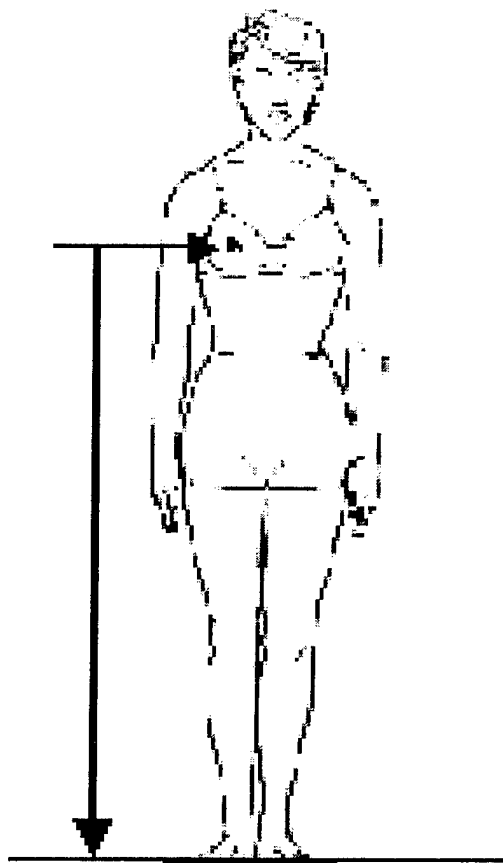
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1363.76	1271.68
	2	1385.32	1283.82
	3	1398.25	1295.84
	5	1419.40	1306.85
	10	1439.57	1328.55
	20	1463.86	1351.65
	25	1473.49	1360.20
	50	1519.22	1400.49
	75	1564.84	1448.29
	80	1578.38	1459.63
	90	1613.34	1492.41
	95	1648.57	1521.35
	97	1669.57	1535.71
	98	1686.42	1553.84
	99	1710.86	1577.91
English (in)			
	1	53.69	50.07
	2	54.54	50.54
	3	55.05	51.01
	5	55.89	51.45
	10	56.67	52.30
	20	57.63	53.22
	25	58.01	53.55
	50	59.81	55.14
	75	61.60	57.02
	80	62.14	57.47
	90	63.51	58.76
	95	64.90	59.89
	97	65.73	60.46
	98	66.40	61.17
	99	67.35	62.12

57. CAESAR Name: CHEST HEIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	1278.55	50.34	1179.49	46.44
SE Mean	2.05	0.08	1.93	0.08
STD	68.42	2.67	68.46	2.84



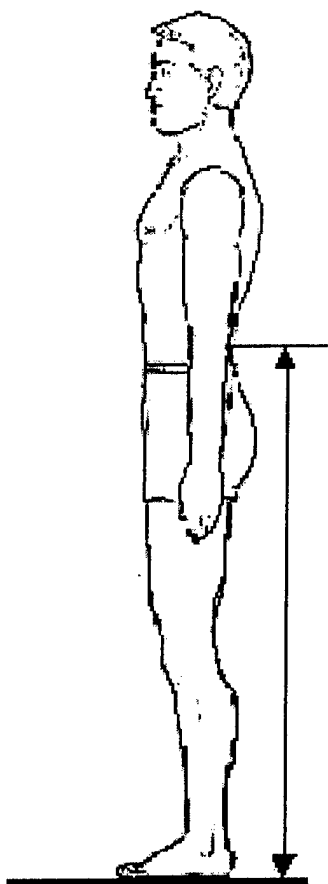
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1137.74	1043.77
	2	1155.77	1054.86
	3	1166.27	1068.50
	5	1178.98	1083.58
	10	1203.14	1100.22
	20	1225.24	1126.96
	25	1235.04	1136.49
	50	1274.20	1173.48
	75	1316.49	1220.50
	80	1327.44	1229.14
	90	1359.87	1259.86
	95	1388.52	1288.56
	97	1404.04	1305.67
	98	1420.75	1316.08
	99	1445.68	1339.41
English (in)			
	1	44.79	41.09
	2	45.50	41.53
	3	45.92	42.07
	5	46.42	42.66
	10	47.37	43.32
	20	48.24	44.37
	25	48.62	44.74
	50	50.17	46.20
	75	51.83	48.05
	80	52.26	48.40
	90	53.53	49.60
	95	54.67	50.73
	97	55.28	51.41
	98	55.94	51.81
	99	56.92	52.74

58. CAESAR Name: ELBOW HEIGHT, STANDING, LEFT

ISO Reference No. 4.1.5

ISO Name: Elbow Height

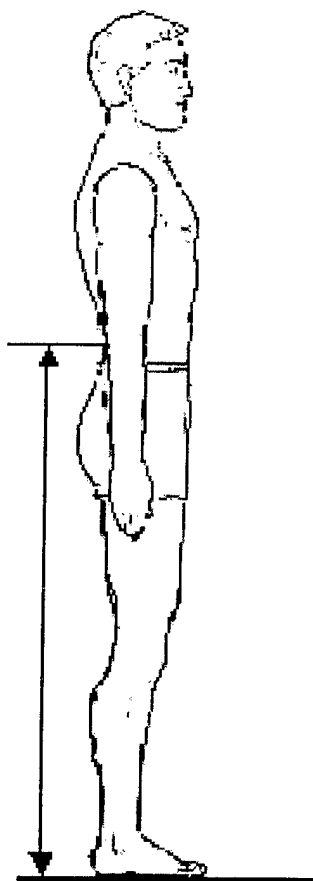
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1257.00	1257.00
Weighted Size	1114.02	1114.02	1255.38	1255.38
Mean	1140.47	44.90	1063.28	41.86
SE Mean	1.78	0.07	1.58	0.06
STD	59.41	2.34	55.98	2.13



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1016.64	953.72
	2	1026.78	961.00
	3	1036.01	970.74
	5	1053.75	980.24
	10	1071.83	999.37
	20	1093.79	1021.34
	25	1103.84	1027.59
	50	1135.54	1058.16
	75	1174.62	1095.25
	80	1183.91	1103.46
	90	1213.29	1129.95
	95	1239.85	1154.68
	97	1255.14	1163.33
	98	1266.12	1176.54
	99	1279.79	1197.72
English (in)			
	1	40.03	37.55
	2	40.42	37.83
	3	40.79	38.22
	5	41.49	38.59
	10	42.19	39.34
	20	43.06	40.21
	25	43.46	40.45
	50	44.71	41.66
	75	46.24	43.12
	80	46.61	43.44
	90	47.77	44.49
	95	48.81	45.46
	97	49.42	45.80
	98	49.84	46.32
	99	50.38	47.16

59. CAESAR Name: ELBOW HEIGHT, STANDING, RIGHT
 ISO Reference No. 4.1.5
 ISO Name: Elbow Height

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1258.00	1258.00
Weighted Size	1114.02	1114.02	1257.41	1257.41
Mean	1131.80	44.56	1053.93	41.49
SE Mean	1.78	0.07	1.55	0.06
STD	59.41	2.34	54.96	2.13



	Percentiles	MEN Quantile	WOMEN Quantile
Metric (mm)			
	1	1004.64	947.23
	2	1023.22	954.93
	3	1032.68	961.03
	5	1045.53	971.60
	10	1062.68	991.24
	20	1085.02	1012.76
	25	1093.11	1020.54
	50	1129.07	1049.99
	75	1167.82	1083.94
	80	1175.26	1094.43
	90	1205.51	1120.07
	95	1228.02	1141.43
	97	1242.75	1156.53
	98	1252.40	1163.20
	99	1272.74	1184.39
English (in)			
	1	39.56	37.29
	2	40.28	37.60
	3	40.66	37.83
	5	41.16	38.25
	10	41.84	39.03
	20	42.72	39.87
	25	43.03	40.18
	50	44.45	41.34
	75	45.97	42.68
	80	46.27	43.09
	90	47.46	44.09
	95	48.35	44.94
	97	48.93	45.53
	98	49.31	45.80
	99	50.11	46.63

60. CAESAR Name: FOOT BREADTH, LEFT

ISO Reference No. 4.3.8

ISO Name: Foot Breadth

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	106.45	4.19	95.85	3.77
SE Mean	0.23	0.01	0.22	0.01
STD	7.68	0.33	7.80	0.35



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	90.63	78.40
	2	92.90	81.23
	3	93.84	82.76
	5	95.22	84.26
	10	98.02	87.20
	20	100.9	90.05
	25	102.05	91.14
	50	106.32	95.68
	75	110.82	100.43
	80	111.73	101.63
	90	115.14	104.71
	95	117.73	107.13
	97	120.31	108.64
	98	122.10	110.79
	99	123.41	113.90
English (in)			
	1	3.57	3.09
	2	3.65	3.19
	3	3.69	3.26
	5	3.74	3.31
	10	3.86	3.43
	20	3.97	3.54
	25	4.01	3.58
	50	4.18	3.76
	75	4.35	3.95
	80	4.39	4.00
	90	4.53	4.11
	95	4.63	4.21
	97	4.74	4.28
	98	4.80	4.36
	99	4.86	4.48

61. CAESAR Name: FOOT BREADTH, RIGHT

ISO Reference No. 4.3.8

ISO Name: Foot Breadth

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	104.07	4.10	92.75	3.65
SE Mean	0.24	0.01	0.24	0.01
STD	8.01	0.33	8.51	0.35



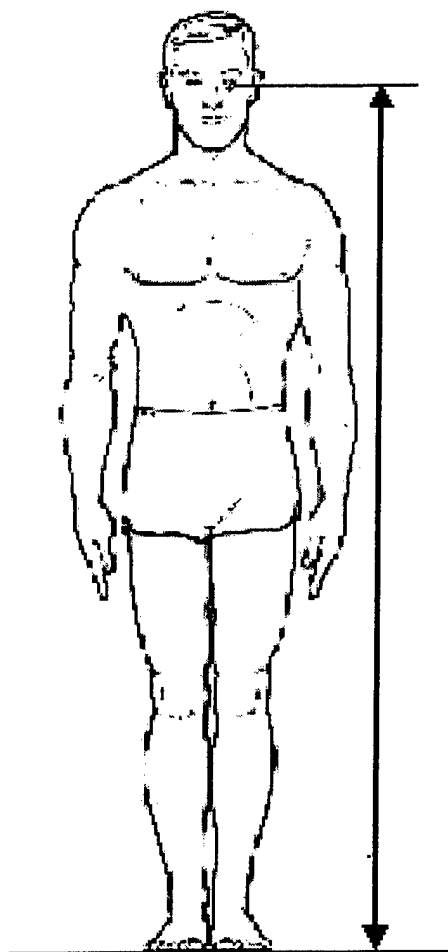
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	87.76	72.58
	2	88.96	76.08
	3	90.19	78.61
	5	92.22	80.97
	10	94.51	83.42
	20	97.69	86.73
	25	99.13	88.20
	50	104.19	92.83
	75	108.95	97.56
	80	110.00	98.57
	90	113.34	102.16
	95	116.49	105.41
	97	118.14	107.35
	98	119.35	108.66
	99	121.32	111.90
English (in)			
	1	3.45	2.86
	2	3.50	2.99
	3	3.55	3.10
	5	3.62	3.18
	10	3.72	3.28
	20	3.84	3.41
	25	3.90	3.47
	50	4.10	3.65
	75	4.28	3.84
	80	4.33	3.88
	90	4.46	4.02
	95	4.59	4.15
	97	4.65	4.22
	98	4.70	4.28
	99	4.77	4.40

62. CAESAR Name: INFRAORBITALE HEIGHT, STANDING, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1257.00	1257.00
Weighted Size	1114.02	1114.02	1256.47	1256.47
Mean	1626.95	64.05	1508.27	59.38
SE Mean	2.40	0.09	2.14	0.08
STD	80.10	3.00	75.86	2.84



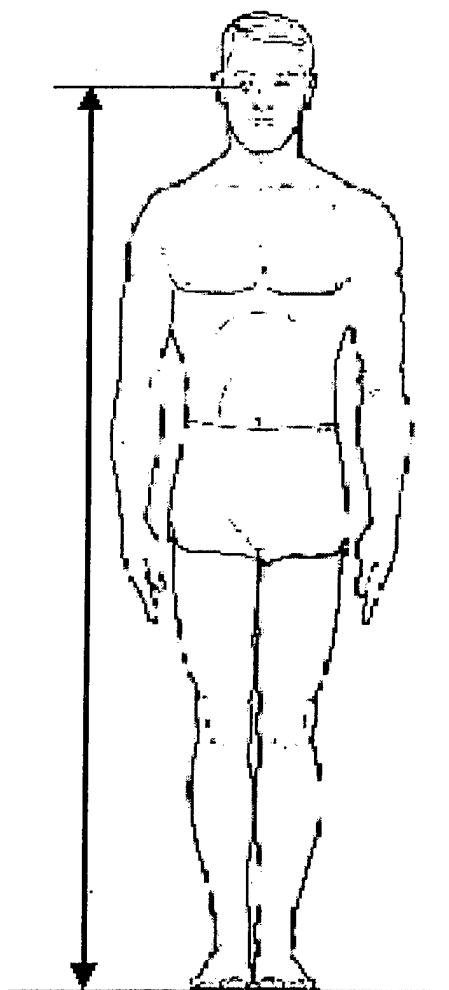
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1460.24	1362.06
	2	1477.88	1381.56
	3	1486.69	1388.16
	5	1507.77	1399.37
	10	1539.43	1423.14
	20	1564.12	1447.67
	25	1575.01	1457.53
	50	1619.67	1501.19
	75	1671.91	1552.05
	80	1684.76	1564.64
	90	1723.71	1601.36
	95	1761.90	1628.59
	97	1778.67	1650.86
	98	1799.09	1663.13
	99	1827.51	1690.54
English (in)			
	1	57.49	53.62
	2	58.19	54.39
	3	58.53	54.66
	5	59.36	55.09
	10	60.61	56.03
	20	61.57	57.00
	25	62.01	57.38
	50	63.77	59.10
	75	65.83	61.10
	80	66.33	61.60
	90	67.86	63.04
	95	69.37	64.11
	97	70.03	64.99
	98	70.83	65.48
	99	71.95	66.56

63. CAESAR Name: INFRAORBITALE HEIGHT, STANDING, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1258.00	1258.00
Weighted Size	1114.02	1114.02	1256.91	1256.91
Mean	1626.69	64.04	1507.90	59.37
SE Mean	2.40	0.09	2.14	0.08
STD	80.10	3.00	75.87	2.84



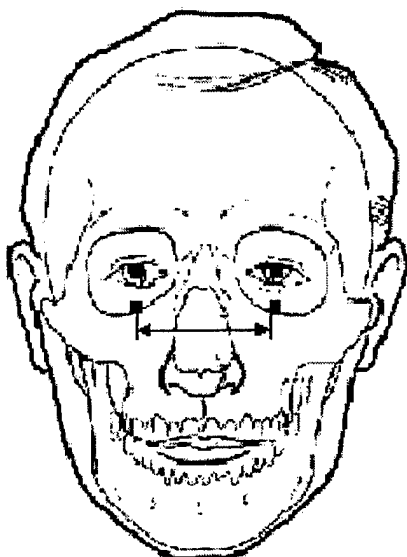
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1462.26	1363.89
	2	1475.27	1380.70
	3	1488.02	1387.83
	5	1507.30	1399.92
	10	1539.81	1423.58
	20	1562.55	1447.02
	25	1574.39	1456.28
	50	1619.59	1501.83
	75	1673.04	1552.85
	80	1686.02	1563.72
	90	1722.91	1600.24
	95	1759.03	1629.04
	97	1779.28	1652.50
	98	1799.51	1666.43
	99	1829.71	1695.57
English (in)			
	1	57.57	53.70
	2	58.08	54.36
	3	58.58	54.64
	5	59.34	55.12
	10	60.62	56.04
	20	61.52	56.97
	25	61.99	57.33
	50	63.76	59.12
	75	65.87	61.13
	80	66.38	61.56
	90	67.83	63.00
	95	69.25	64.13
	97	70.05	65.06
	98	70.85	65.61
	99	72.04	66.75

64. CAESAR Name: INTER-PUPILLARY DISTANCE

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1257.00	1257.00
Weighted Size	1114.02	1114.02	1256.47	1256.47
Mean	67.73	2.67	65.72	2.59
SE Mean	0.18	0.01	0.17	0.01
STD	6.01	0.33	6.03	0.35



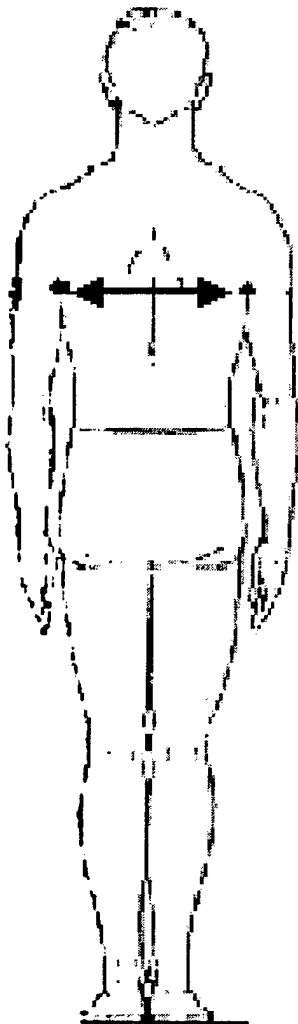
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	54.30	52.91
	2	56.83	54.69
	3	57.31	55.86
	5	58.75	57.14
	10	60.46	59.34
	20	63.19	61.42
	25	63.99	62.22
	50	67.84	65.20
	75	71.06	69.10
	80	71.98	70.15
	90	75.05	73.05
	95	77.34	74.93
	97	78.43	76.47
	98	79.43	77.63
	99	80.73	78.75
English (in)			
	1	2.14	2.08
	2	2.23	2.15
	3	2.26	2.19
	5	2.31	2.25
	10	2.37	2.33
	20	2.48	2.41
	25	2.52	2.44
	50	2.66	2.56
	75	2.79	2.72
	80	2.83	2.76
	90	2.95	2.87
	95	3.04	2.95
	97	3.09	3.01
	98	3.13	3.05
	99	3.18	3.09

65. CAESAR Name: INTERSCYE DISTANCE

ISO Reference No. N/A

ISO Name:

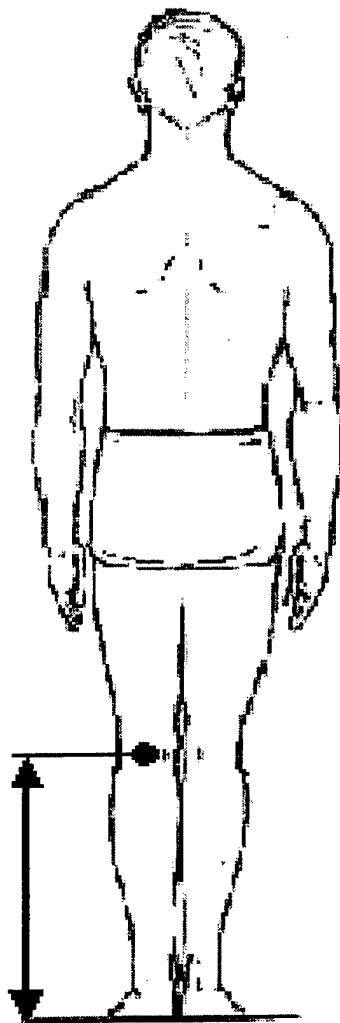
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1112.00	1112.00	1254.00	1254.00
Weighted Size	1112.48	1112.48	1252.06	1252.06
Mean	395.78	15.58	361.13	14.22
SE Mean	0.93	0.04	0.96	0.04
STD	31.02	1.33	33.97	1.42



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	342.45	302.20
	2	344.40	309.15
	3	348.99	312.68
	5	353.89	317.17
	10	360.65	327.05
	20	371.54	336.27
	25	374.90	340.22
	50	394.26	356.72
	75	413.25	378.45
	80	418.29	386.06
	90	432.28	399.83
	95	444.86	418.20
	97	455.14	430.00
	98	462.10	435.74
	99	470.79	451.92
English (in)			
	1	13.48	11.90
	2	13.56	12.17
	3	13.74	12.31
	5	13.93	12.49
	10	14.19	12.87
	20	14.62	13.23
	25	14.76	13.39
	50	15.52	14.04
	75	16.26	14.90
	80	16.47	15.20
	90	17.01	15.74
	95	17.51	16.46
	97	17.92	16.93
	98	18.19	17.15
	99	18.54	17.79

66. CAESAR Name: KNEE HEIGHT, STANDING, LEFT
 ISO Reference No. N/A
 ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	493.93	19.45	445.76	17.55
SE Mean	0.95	0.04	0.83	0.03
STD	31.71	1.34	29.44	1.06



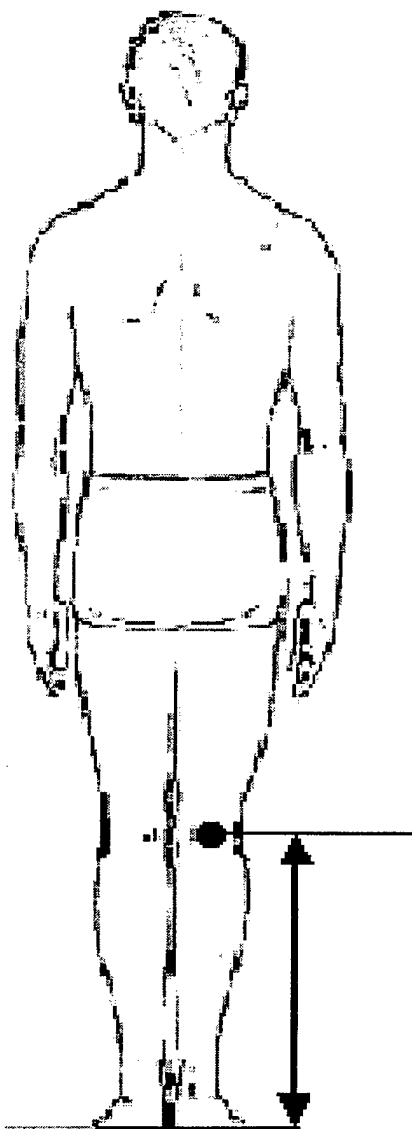
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	428.66	391.97
	2	439.62	398.31
	3	444.73	400.44
	5	449.35	402.75
	10	457.76	413.23
	20	469.09	422.23
	25	473.56	426.87
	50	491.77	442.67
	75	509.96	461.67
	80	516.69	465.98
	90	529.37	479.76
	95	541.75	491.27
	97	552.07	497.92
	98	557.24	503.73
	99	566.70	515.95
English (in)			
	1	16.88	15.43
	2	17.30	15.68
	3	17.51	15.77
	5	17.69	15.86
	10	18.02	16.27
	20	18.47	16.62
	25	18.64	16.80
	50	19.36	17.43
	75	20.08	18.18
	80	20.34	18.35
	90	20.84	18.89
	95	21.33	19.34
	97	21.73	19.61
	98	21.94	19.83
	99	22.31	20.31

67. CAESAR Name: KNEE HEIGHT, STANDING, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	493.48	19.43	444.92	17.52
SE Mean	0.92	0.04	0.82	0.03
STD	30.71	1.34	29.09	1.06



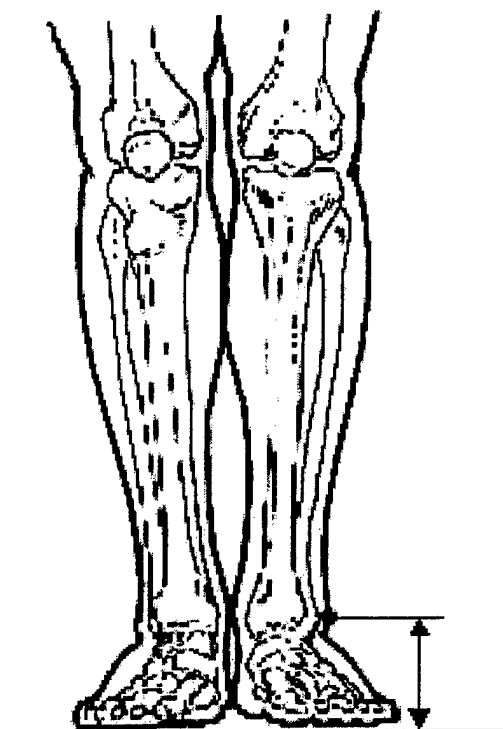
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	427.64	389.15
	2	440.00	395.58
	3	444.61	397.99
	5	449.81	403.08
	10	459.32	411.16
	20	469.59	421.40
	25	473.36	425.41
	50	491.42	443.17
	75	511.15	461.60
	80	515.45	465.67
	90	529.02	477.85
	95	540.62	489.51
	97	549.80	497.07
	98	556.66	501.85
	99	567.18	510.16
English (in)			
	1	16.84	15.32
	2	17.32	15.57
	3	17.50	15.67
	5	17.71	15.87
	10	18.08	16.19
	20	18.49	16.59
	25	18.63	16.75
	50	19.35	17.45
	75	20.13	18.17
	80	20.29	18.34
	90	20.83	18.81
	95	21.28	19.27
	97	21.64	19.57
	98	21.92	19.75
	99	22.33	20.09

68. CAESAR Name: MALLEOLUS HEIGHT, LATERAL, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	72.35	2.85	67.29	2.65
SE Mean	0.21	0.01	0.17	0.01
STD	7.01	0.33	6.03	0.35



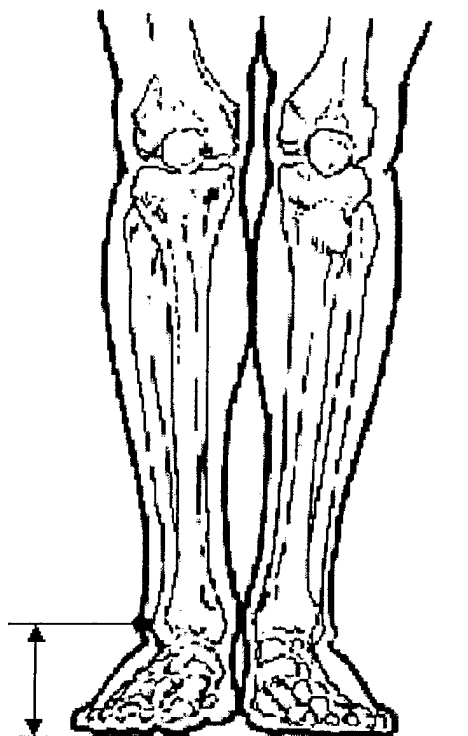
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	57.15	53.21
	2	59.02	55.30
	3	60.26	55.88
	5	61.42	57.50
	10	63.17	59.44
	20	65.83	61.65
	25	66.84	63.16
	50	71.17	67.10
	75	75.54	71.15
	80	76.70	71.64
	90	79.65	73.53
	95	82.01	75.61
	97	84.28	77.02
	98	85.75	77.83
	99	88.84	79.95
English (in)			
	1	2.25	2.10
	2	2.32	2.18
	3	2.37	2.20
	5	2.42	2.26
	10	2.49	2.34
	20	2.59	2.43
	25	2.63	2.49
	50	2.80	2.64
	75	2.97	2.80
	80	3.02	2.82
	90	3.14	2.89
	95	3.23	2.97
	97	3.32	3.03
	98	3.38	3.06
	99	3.49	3.15

69. CAESAR Name: MALLEOLUS HEIGHT, LATERAL, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	71.45	2.81	65.54	2.58
SE Mean	0.22	0.01	0.19	0.01
STD	7.34	0.33	6.74	0.35



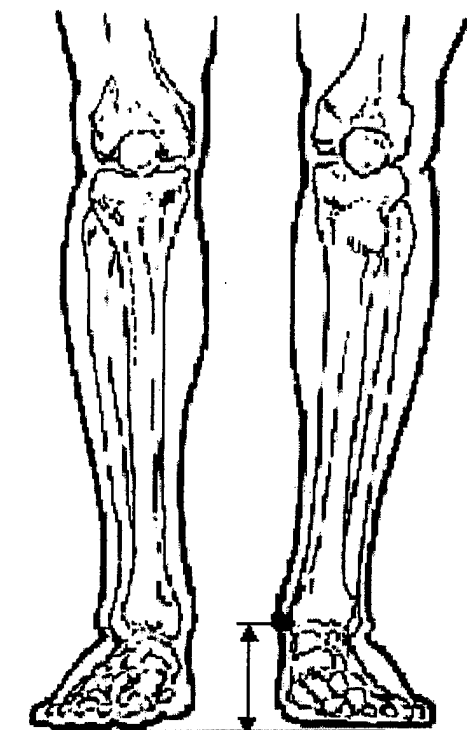
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	54.22	50.54
	2	56.96	53.11
	3	58.47	53.59
	5	60.15	54.60
	10	62.41	56.73
	20	65.04	59.38
	25	66.00	60.39
	50	71.06	64.33
	75	74.69	68.52
	80	75.76	69.59
	90	78.99	72.66
	95	81.87	75.42
	97	83.58	76.24
	98	84.88	77.69
	99	86.76	79.59
English (in)			
	1	2.14	1.99
	2	2.24	2.09
	3	2.30	2.11
	5	2.37	2.15
	10	2.46	2.23
	20	2.56	2.34
	25	2.60	2.38
	50	2.80	2.53
	75	2.94	2.70
	80	2.98	2.74
	90	3.11	2.86
	95	3.22	2.97
	97	3.29	3.00
	98	3.35	3.06
	99	3.42	3.13

70. CAESAR Name: MALLEOLUS HEIGHT, MEDIAL, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1258.00	1258.00
Weighted Size	1114.02	1114.02	1257.07	1257.07
Mean	85.48	3.37	76.81	3.02
SE Mean	0.23	0.01	0.20	0.01
STD	7.68	0.33	7.09	0.35



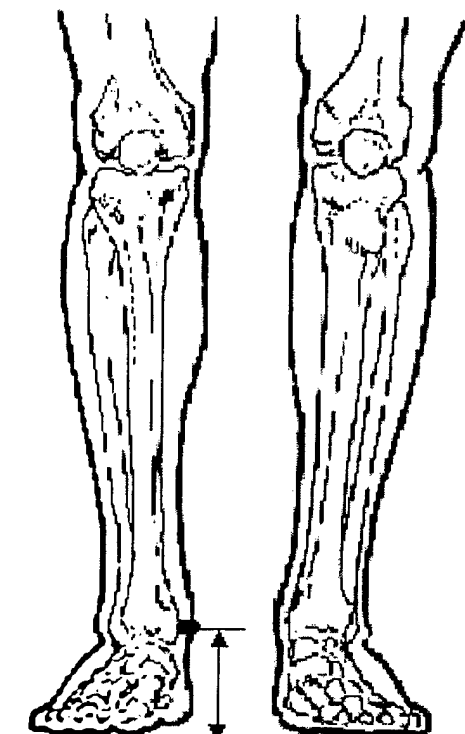
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	67.31	60.27
	2	70.02	62.17
	3	71.37	63.32
	5	73.25	65.47
	10	75.79	67.62
	20	79.36	71.18
	25	79.91	71.68
	50	84.31	76.16
	75	89.55	81.14
	80	90.26	81.71
	90	93.71	85.06
	95	96.31	86.33
	97	97.94	87.65
	98	99.24	88.61
	99	101.53	89.93
English (in)			
	1	2.65	2.37
	2	2.76	2.45
	3	2.81	2.49
	5	2.88	2.58
	10	2.98	2.66
	20	3.12	2.81
	25	3.15	2.82
	50	3.32	3.00
	75	3.52	3.20
	80	3.55	3.22
	90	3.69	3.35
	95	3.79	3.40
	97	3.86	3.45
	98	3.91	3.48
	99	4.00	3.54

71. CAESAR Name: MALLEOLUS HEIGHT, MEDIAL, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	87.16	3.43	77.94	3.07
SE Mean	0.24	0.01	0.22	0.01
STD	8.01	0.33	7.80	0.35



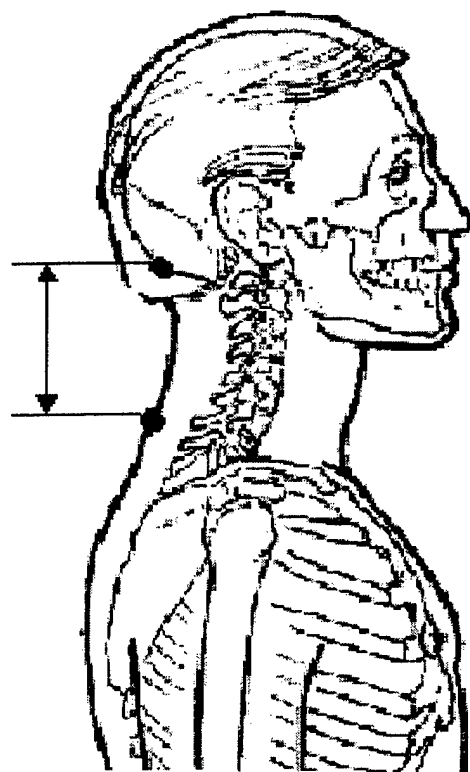
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	69.45	60.22
	2	71.13	63.02
	3	72.98	63.82
	5	75.00	65.43
	10	77.75	67.81
	20	81.12	71.44
	25	81.68	73.05
	50	87.14	77.70
	75	91.44	81.90
	80	92.58	83.43
	90	95.60	85.88
	95	98.78	89.12
	97	100.17	89.86
	98	101.21	91.42
	99	102.74	93.37
English (in)			
	1	2.74	2.37
	2	2.80	2.48
	3	2.87	2.51
	5	2.95	2.58
	10	3.06	2.67
	20	3.19	2.81
	25	3.22	2.87
	50	3.43	3.06
	75	3.60	3.23
	80	3.64	3.29
	90	3.76	3.39
	95	3.89	3.50
	97	3.95	3.53
	98	3.99	3.60
	99	4.05	3.67

72. CAESAR Name: NECK HEIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1108.00	1108.00	1252.00	1252.00
Weighted Size	1109.06	1109.06	1251.46	1251.46
Mean	96.16	3.79	94.15	3.71
SE Mean	0.65	0.03	0.48	0.02
STD	21.65	1.00	16.98	0.71



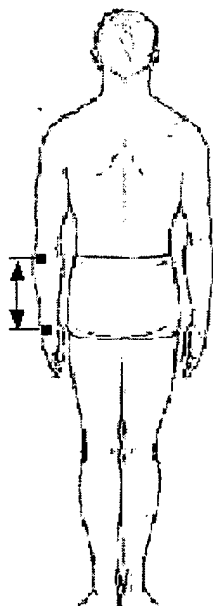
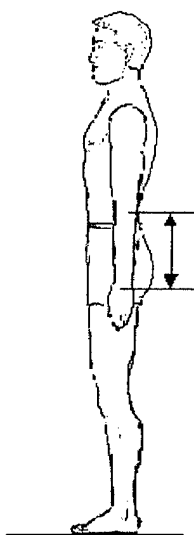
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	56.25	55.87
	2	58.76	61.53
	3	61.04	64.24
	5	66.38	67.49
	10	72.48	73.46
	20	80.30	81.65
	25	83.19	84.17
	50	96.13	94.75
	75	108.76	104.68
	80	112.14	107.05
	90	120.23	113.24
	95	126.90	119.92
	97	130.45	123.52
	98	132.25	125.90
	99	136.92	130.12
English (in)			
	1	2.21	2.20
	2	2.31	2.41
	3	2.40	2.52
	5	2.61	2.66
	10	2.85	2.89
	20	3.16	3.21
	25	3.27	3.31
	50	3.78	3.72
	75	4.28	4.12
	80	4.41	4.21
	90	4.72	4.45
	95	4.99	4.72
	97	5.13	4.86
	98	5.20	4.95
	99	5.39	5.13

73. CAESAR Name: RADIALE-STYLION LENGTH, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1259.00	1259.00
Weighted Size	1112.94	1112.94	1258.20	1258.20
Mean	265.69	10.46	240.12	9.45
SE Mean	0.53	0.02	0.50	0.02
STD	17.68	0.67	17.74	0.71



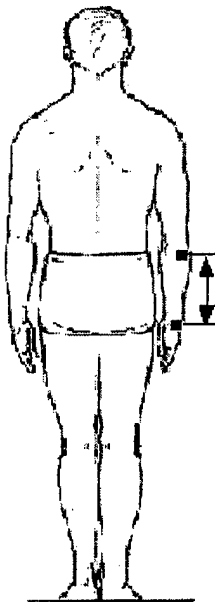
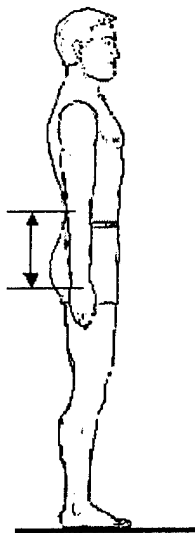
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	232.86	208.59
	2	236.03	210.68
	3	238.92	213.59
	5	241.51	216.03
	10	246.52	220.73
	20	252.45	226.74
	25	254.63	228.70
	50	264.00	239.13
	75	275.96	249.97
	80	278.81	253.13
	90	286.67	260.92
	95	293.60	267.95
	97	297.47	271.11
	98	302.27	274.06
	99	305.79	278.86
English (in)			
	1	9.17	8.20
	2	9.29	8.29
	3	9.40	8.41
	5	9.50	8.50
	10	9.70	8.69
	20	9.93	8.92
	25	10.02	9.00
	50	10.39	9.41
	75	10.86	9.84
	80	10.97	9.96
	90	11.28	10.27
	95	11.56	10.54
	97	11.71	10.67
	98	11.90	10.79
	99	12.04	10.97

74. CAESAR Name: RADIALE-STYLION LENGTH, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	263.03	10.36	236.41	9.31
SE Mean	0.57	0.02	0.50	0.02
STD	19.02	0.67	17.74	0.71



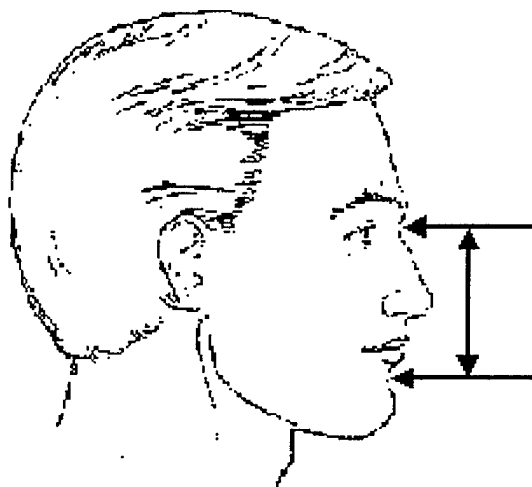
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	227.60	202.48
	2	232.54	207.31
	3	235.53	210.49
	5	238.89	213.36
	10	243.17	217.77
	20	249.10	223.26
	25	251.06	225.28
	50	261.58	235.16
	75	273.05	246.63
	80	276.12	249.23
	90	284.76	257.06
	95	292.04	262.79
	97	296.50	267.57
	98	301.64	273.12
	99	307.05	279.24
English (in)			
	1	8.95	7.97
	2	9.16	8.16
	3	9.27	8.29
	5	9.40	8.40
	10	9.57	8.57
	20	9.80	8.79
	25	9.88	8.87
	50	10.29	9.25
	75	10.75	9.71
	80	10.87	9.81
	90	11.21	10.12
	95	11.49	10.34
	97	11.68	10.53
	98	11.88	10.75
	99	12.08	10.99

75. CAESAR Name: SELLION-SUPRAMENTON LENGTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1259.00	1259.00
Weighted Size	1112.78	1112.78	1258.20	1258.20
Mean	99.73	3.93	91.67	3.61
SE Mean	0.25	0.01	0.19	0.01
STD	8.34	0.33	6.74	0.35



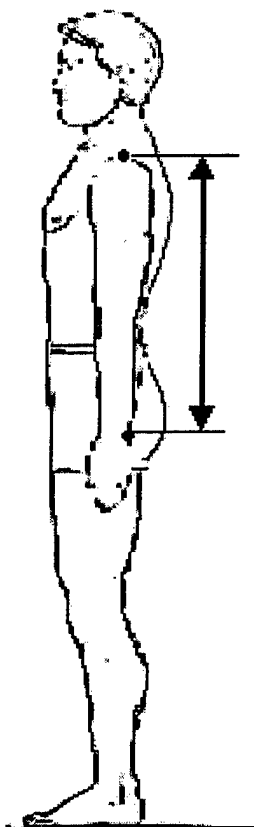
	Percentiles	MEN Quantile	WOMEN Quantile
Metric (mm)			
	1	83.12	78.15
	2	85.23	80.07
	3	86.73	80.40
	5	88.42	82.05
	10	91.07	84.02
	20	94.01	86.29
	25	94.33	87.14
	50	98.81	92.02
	75	104.28	96.01
	80	106.09	96.53
	90	109.28	99.97
	95	112.65	102.14
	97	114.50	104.01
	98	116.85	104.52
	99	120.12	106.51
English (in)			
	1	3.27	3.07
	2	3.35	3.15
	3	3.41	3.16
	5	3.48	3.23
	10	3.58	3.30
	20	3.69	3.39
	25	3.71	3.43
	50	3.89	3.62
	75	4.10	3.77
	80	4.17	3.79
	90	4.30	3.93
	95	4.43	4.02
	97	4.51	4.09
	98	4.60	4.11
	99	4.71	4.19

76. CAESAR Name: SLEEVE OUTSEAM LENGTH, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1112.00	1112.00	1258.00	1258.00
Weighted Size	1112.93	1112.93	1257.28	1257.28
Mean	578.47	22.77	524.49	20.65
SE Mean	1.07	0.04	0.93	0.04
STD	35.70	1.33	32.98	1.42



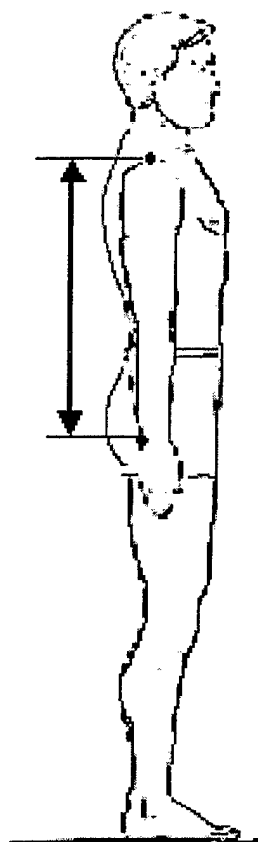
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	508.19	459.68
	2	516.22	468.60
	3	522.44	473.05
	5	527.02	477.68
	10	539.92	487.72
	20	552.64	498.81
	25	557.21	503.09
	50	576.49	523.43
	75	597.06	544.81
	80	604.48	549.05
	90	620.06	563.24
	95	633.22	574.53
	97	640.88	585.46
	98	648.63	592.25
	99	662.37	602.61
English (in)			
	1	20.01	18.10
	2	20.31	18.44
	3	20.56	18.62
	5	20.75	18.81
	10	21.25	19.20
	20	21.76	19.63
	25	21.93	19.80
	50	22.69	20.61
	75	23.50	21.45
	80	23.80	21.61
	90	24.41	22.17
	95	24.93	22.62
	97	25.23	23.02
	98	25.54	23.32
	99	26.07	23.73

77. CAESAR Name: SLEEVE OUTSEAM LENGTH, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1258.00	1258.00
Weighted Size	1113.38	1113.38	1257.28	1257.28
Mean	580.61	22.86	527.03	20.75
SE Mean	1.05	0.04	0.93	0.04
STD	35.04	1.33	32.98	1.42



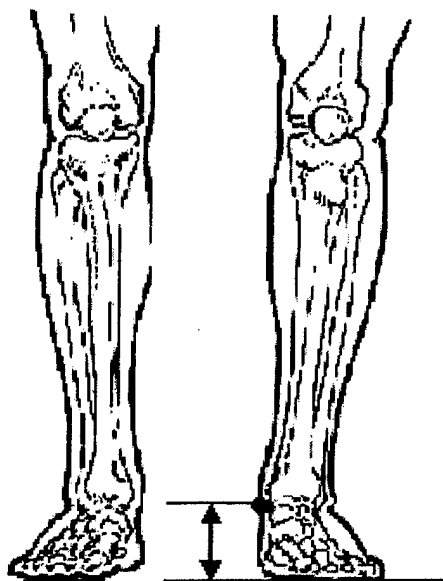
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	510.59	462.20
	2	519.36	470.67
	3	525.71	477.09
	5	532.11	482.69
	10	542.50	490.86
	20	553.81	501.28
	25	559.43	505.82
	50	578.20	524.95
	75	600.16	546.12
	80	607.15	551.47
	90	622.90	566.45
	95	635.43	579.13
	97	643.89	587.25
	98	650.34	594.21
	99	663.21	601.52
English (in)			
	1	20.10	18.20
	2	20.44	18.53
	3	20.70	18.78
	5	20.95	19.00
	10	21.35	19.32
	20	21.80	19.74
	25	22.02	19.91
	50	22.76	20.66
	75	23.63	21.49
	80	23.90	21.70
	90	24.52	22.30
	95	25.00	22.80
	97	25.35	23.12
	98	25.60	23.39
	99	26.11	23.68

78. CAESAR Name: SPHYRION HEIGHT, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1258.00	1258.00
Weighted Size	1114.02	1114.02	1257.07	1257.07
Mean	66.49	2.62	58.52	2.30
SE Mean	0.24	0.01	0.21	0.01
STD	8.01	0.33	7.45	0.35



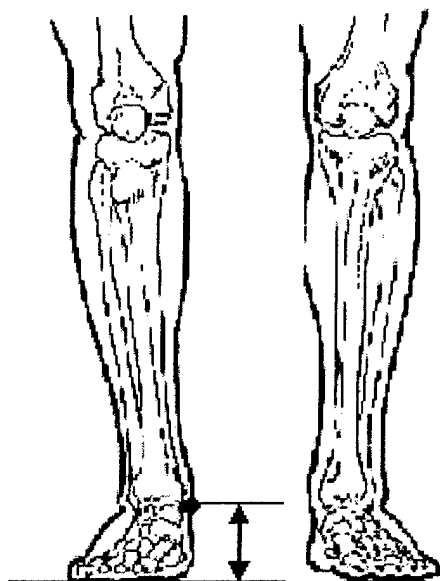
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	46.90	41.43
	2	49.25	43.41
	3	53.00	44.22
	5	54.07	47.05
	10	57.36	49.23
	20	59.81	51.88
	25	61.39	53.06
	50	65.74	57.92
	75	71.53	61.96
	80	71.86	63.56
	90	74.63	66.22
	95	77.32	69.21
	97	79.15	69.86
	98	80.32	70.74
	99	81.83	72.01
English (in)			
	1	1.85	1.63
	2	1.94	1.71
	3	2.09	1.74
	5	2.13	1.85
	10	2.25	1.94
	20	2.35	2.05
	25	2.42	2.09
	50	2.59	2.28
	75	2.81	2.44
	80	2.82	2.50
	90	2.94	2.61
	95	3.04	2.73
	97	3.12	2.75
	98	3.16	2.79
	99	3.22	2.83

79. CAESAR Name: SPHYRION HEIGHT, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1259.00	1259.00
Weighted Size	1114.02	1114.02	1258.20	1258.20
Mean	67.95	2.67	59.60	2.35
SE Mean	0.25	0.01	0.23	0.01
STD	8.34	0.33	8.16	0.35



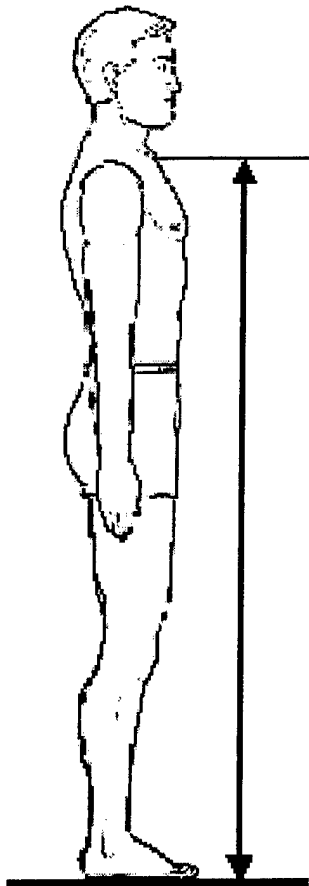
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	48.83	40.51
	2	50.86	42.30
	3	53.05	44.07
	5	54.60	46.17
	10	57.70	49.35
	20	61.27	53.19
	25	62.71	54.25
	50	67.64	59.57
	75	73.01	63.87
	80	73.65	65.37
	90	77.14	67.76
	95	79.35	69.93
	97	80.31	71.74
	98	81.84	73.25
	99	83.89	75.09
English (in)			
	1	1.92	1.59
	2	2.00	1.66
	3	2.09	1.73
	5	2.15	1.82
	10	2.27	1.94
	20	2.41	2.10
	25	2.47	2.14
	50	2.67	2.34
	75	2.87	2.51
	80	2.90	2.57
	90	3.04	2.67
	95	3.12	2.76
	97	3.16	2.82
	98	3.22	2.88
	99	3.31	2.95

80. CAESAR Name: SUPRASTERNALE HEIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1259.00	1259.00
Weighted Size	1113.38	1113.38	1258.20	1258.20
Mean	1438.37	56.63	1331.41	52.42
SE Mean	2.15	0.08	1.91	0.08
STD	71.74	2.67	67.75	2.84



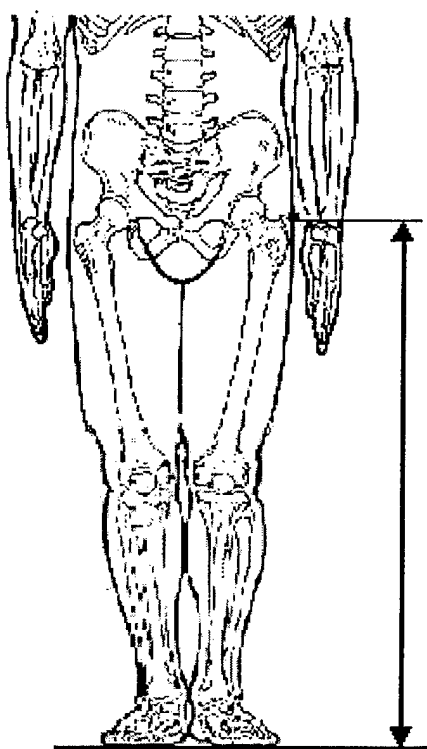
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1287.28	1203.84
	2	1305.42	1214.75
	3	1313.55	1225.22
	5	1334.27	1236.65
	10	1358.52	1253.93
	20	1380.83	1278.77
	25	1391.71	1286.69
	50	1432.58	1326.60
	75	1478.54	1371.29
	80	1489.64	1381.76
	90	1527.36	1410.09
	95	1556.70	1439.13
	97	1576.92	1451.58
	98	1592.39	1469.86
	99	1616.62	1506.19
English (in)			
	1	50.68	47.39
	2	51.40	47.82
	3	51.71	48.24
	5	52.53	48.69
	10	53.48	49.37
	20	54.36	50.34
	25	54.79	50.66
	50	56.40	52.22
	75	58.21	53.99
	80	58.65	54.40
	90	60.13	55.51
	95	61.29	56.66
	97	62.09	57.15
	98	62.70	57.87
	99	63.64	59.30

81. CAESAR Name: TROCHANTER HEIGHT, LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1114.00	1114.00	1256.00	1256.00
Weighted Size	1114.02	1114.02	1256.35	1256.35
Mean	940.19	37.02	873.34	34.38
SE Mean	1.78	0.07	1.54	0.06
STD	59.41	2.34	54.59	2.13



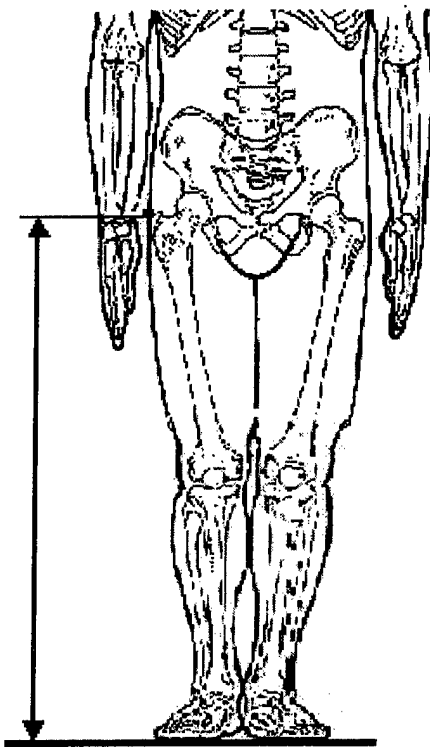
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	824.87	776.36
	2	843.77	783.92
	3	850.23	789.93
	5	857.35	796.65
	10	873.70	808.13
	20	894.05	830.84
	25	903.18	837.14
	50	937.71	868.18
	75	970.36	906.13
	80	982.25	916.36
	90	1008.75	937.88
	95	1028.94	955.03
	97	1044.96	967.88
	98	1055.99	977.30
	99	1078.83	1006.90
English (in)			
	1	32.47	30.56
	2	33.22	30.87
	3	33.47	31.10
	5	33.75	31.37
	10	34.40	31.82
	20	35.20	32.71
	25	35.56	32.96
	50	36.92	34.18
	75	38.20	35.68
	80	38.67	36.07
	90	39.72	36.93
	95	40.51	37.60
	97	41.14	38.11
	98	41.57	38.48
	99	42.47	39.64

82. CAESAR Name: TROCHANTER HEIGHT, RIGHT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1113.00	1113.00	1256.00	1256.00
Weighted Size	1113.52	1113.52	1256.35	1256.35
Mean	939.11	36.97	872.63	34.36
SE Mean	1.72	0.07	1.56	0.06
STD	57.40	2.34	55.29	2.13



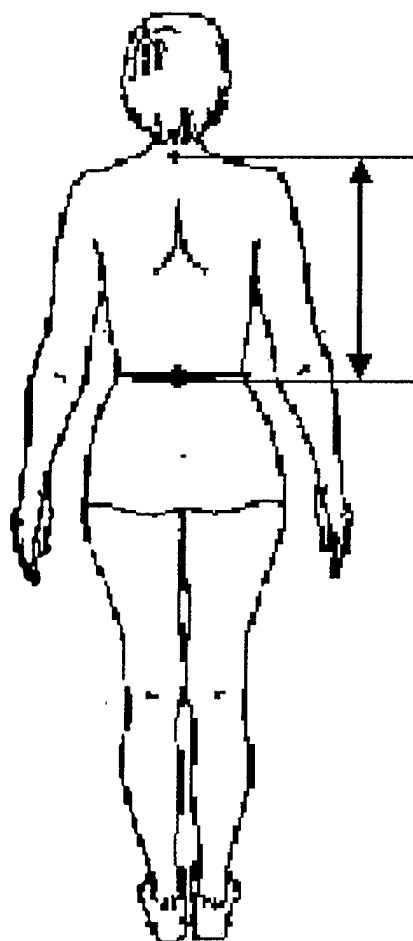
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	826.02	772.32
	2	837.20	777.78
	3	848.14	783.02
	5	859.34	792.91
	10	874.78	806.94
	20	893.86	830.11
	25	902.25	836.72
	50	934.40	869.41
	75	969.86	905.31
	80	980.68	913.91
	90	1007.04	936.84
	95	1029.41	958.52
	97	1042.37	969.61
	98	1057.53	979.52
	99	1073.49	995.77
English (in)			
	1	32.52	30.40
	2	32.96	30.62
	3	33.40	30.83
	5	33.83	31.22
	10	34.44	31.77
	20	35.19	32.68
	25	35.52	32.94
	50	36.79	34.23
	75	38.18	35.64
	80	38.61	35.98
	90	39.65	36.88
	95	40.53	37.74
	97	41.03	38.17
	98	41.63	38.56
	99	42.26	39.20

83. CAESAR Name: WAIST BACK (CERVICAL TO WAIST) LENGTH

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1112.00	1112.00	1255.00	1255.00
Weighted Size	1112.48	1112.48	1255.12	1255.12
Mean	477.27	18.79	398.91	15.71
SE Mean	1.09	0.04	0.87	0.03
STD	36.36	1.33	30.82	1.06



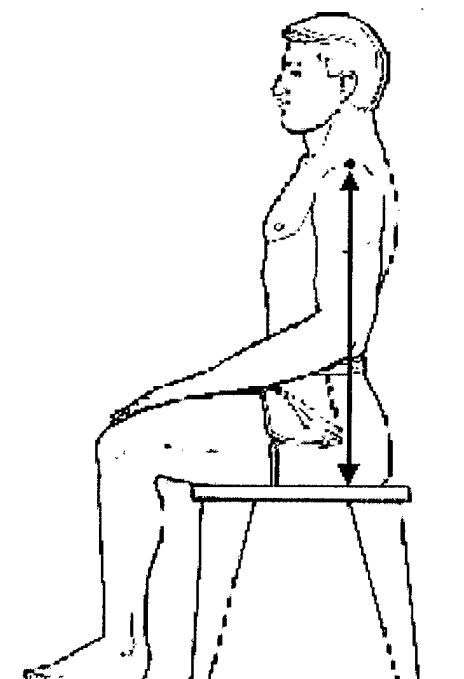
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	403.02	340.89
	2	411.32	346.54
	3	416.91	348.80
	5	423.84	355.09
	10	435.53	364.36
	20	448.11	376.04
	25	452.98	379.98
	50	476.08	397.06
	75	499.55	415.58
	80	504.94	421.05
	90	519.00	436.14
	95	535.07	446.06
	97	544.11	455.54
	98	549.63	463.68
	99	562.09	475.80
English (in)			
	1	15.87	13.42
	2	16.19	13.64
	3	16.41	13.73
	5	16.69	13.98
	10	17.14	14.34
	20	17.63	14.80
	25	17.83	14.94
	50	18.74	15.63
	75	19.66	16.36
	80	19.88	16.57
	90	20.43	17.16
	95	21.06	17.56
	97	21.42	17.93
	98	21.64	18.25
	99	22.12	18.73

CHAPTER 4: SEATED SCAN EXTRACTED MEASUREMENTS

This chapter contains the sample size, weighted sample size, mean, standard error of the mean (SE Mean), standard deviation (STD), and selected percentiles for both men and women, and in both English (in. or lbs) and Metric (mm or kgs) units for the seated scan extracted measurements. The measurements are listed in alphabetical order.

84. CAESAR Name: ACROMIAL HEIGHT, SITTING (COMFORTABLE), LEFT
ISO Reference No. N/A
ISO Name:

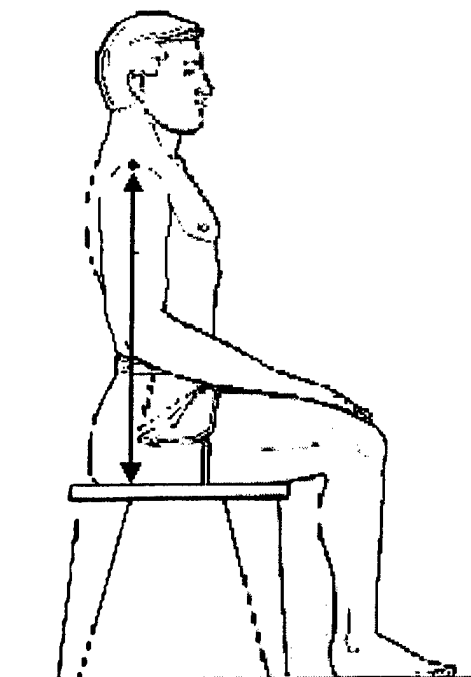
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1106.00	1106.00	1252.00	1252.00
Weighted Size	1108.39	1108.39	1251.26	1251.26
Mean	597.19	23.51	566.67	22.31
SE Mean	1.20	0.05	0.94	0.04
STD	39.95	1.66	33.25	1.41



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	508.59	495.94
	2	522.61	508.52
	3	527.56	512.18
	5	534.12	518.78
	10	552.39	528.48
	20	564.94	538.84
	25	570.99	544.47
	50	596.31	564.71
	75	620.29	586.98
	80	626.68	592.59
	90	644.17	606.25
	95	655.88	619.33
	97	666.10	628.11
	98	672.87	632.83
	99	685.50	646.34
English (in)			
	1	20.02	19.53
	2	20.57	20.02
	3	20.77	20.17
	5	21.02	20.42
	10	21.75	20.81
	20	22.24	21.21
	25	22.48	21.44
	50	23.48	22.23
	75	24.42	23.11
	80	24.68	23.33
	90	25.36	23.87
	95	25.83	24.38
	97	26.22	24.72
	98	26.49	24.91
	99	26.99	25.44

85. CAESAR Name: ACROMIAL HEIGHT, SITTING (COMFORTABLE), RIGHT
 ISO Reference No. N/A
 ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1106.00	1106.00	1252.00	1252.00
Weighted Size	1108.39	1108.39	1251.26	1251.26
Mean	589.12	23.19	562.03	22.13
SE Mean	1.21	0.05	0.92	0.04
STD	40.28	1.66	32.54	1.41



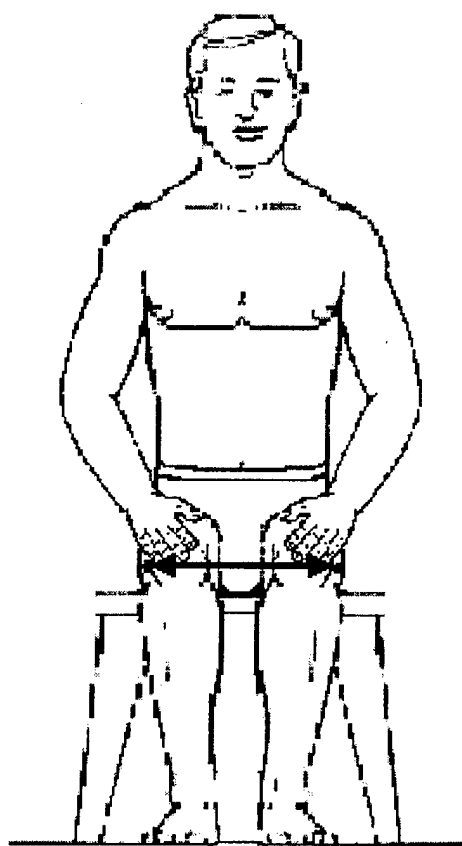
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	501.87	492.55
	2	512.62	500.48
	3	521.85	505.10
	5	528.76	515.62
	10	543.52	524.31
	20	558.10	534.97
	25	562.96	540.56
	50	588.49	560.31
	75	612.57	580.84
	80	617.66	586.40
	90	634.25	600.91
	95	646.94	610.95
	97	654.93	619.96
	98	661.97	628.11
	99	676.35	640.60
English (in)			
	1	19.76	19.39
	2	20.18	19.70
	3	20.54	19.88
	5	20.82	20.30
	10	21.40	20.64
	20	21.97	21.06
	25	22.17	21.28
	50	23.17	22.06
	75	24.11	22.86
	80	24.32	23.09
	90	24.97	23.66
	95	25.47	24.06
	97	25.79	24.41
	98	26.06	24.72
	99	26.62	25.22

86. CAESAR Name: BI-LATERAL FEMORAL EPICONDYLE BREADTH, SITTING
(COMFORTABLE)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1111.00	1111.00	1257.00	1257.00
Weighted Size	1111.49	1111.49	1256.37	1256.37
Mean	459.70	18.10	364.67	14.36
SE Mean	1.85	0.07	2.04	0.08
STD	61.68	2.33	72.31	2.84



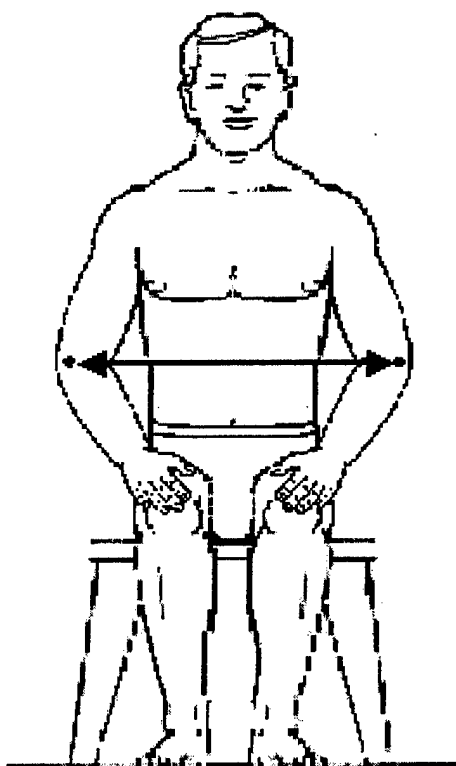
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	342.71	226.18
	2	355.84	239.27
	3	366.47	247.12
	5	380.61	265.26
	10	397.32	286.88
	20	415.61	311.20
	25	422.49	320.44
	50	456.69	361.29
	75	489.90	400.80
	80	500.44	412.41
	90	527.25	447.10
	95	549.75	471.95
	97	575.24	489.33
	98	588.39	506.37
	99	599.09	539.54
English (in)			
	1	13.49	8.90
	2	14.01	9.42
	3	14.43	9.73
	5	14.98	10.45
	10	15.64	11.29
	20	16.36	12.25
	25	16.63	12.61
	50	17.97	14.22
	75	19.29	15.78
	80	19.70	16.23
	90	20.75	17.60
	95	21.64	18.58
	97	22.65	19.25
	98	23.16	19.94
	99	23.59	21.24

87. CAESAR Name: BI-LATERAL HUMERAL EPICONDYLE BREADTH, SITTING
(COMFORTABLE)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1110.00	1110.00	1258.00	1258.00
Weighted Size	1111.23	1111.23	1257.22	1257.22
Mean	555.41	21.87	477.32	18.79
SE Mean	1.76	0.07	1.79	0.07
STD	58.67	2.33	63.47	2.48



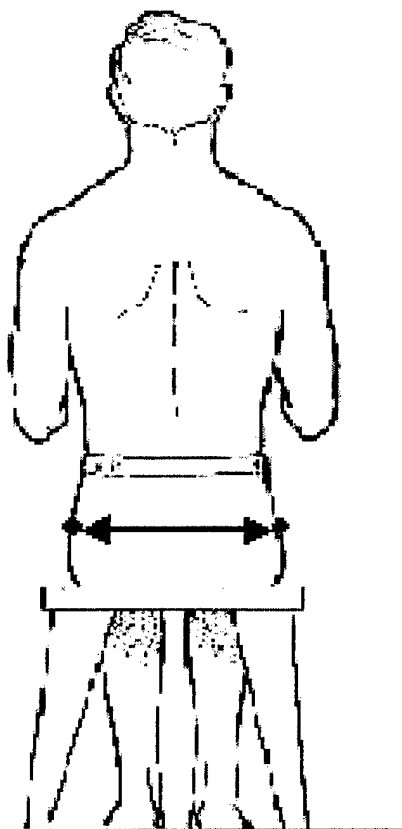
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	455.10	369.98
	2	462.99	382.17
	3	472.08	392.21
	5	480.08	402.09
	10	496.73	414.34
	20	510.76	431.56
	25	518.32	438.90
	50	550.98	467.53
	75	585.26	506.56
	80	594.74	515.25
	90	624.43	552.69
	95	645.25	585.23
	97	669.16	614.08
	98	680.18	633.14
	99	699.98	654.64
English (in)			
	1	17.91	14.56
	2	18.23	15.04
	3	18.59	15.44
	5	18.90	15.83
	10	19.56	16.31
	20	20.11	16.99
	25	20.41	17.28
	50	21.68	18.40
	75	23.04	19.94
	80	23.41	20.28
	90	24.58	21.76
	95	25.41	23.04
	97	26.35	24.18
	98	26.77	24.93
	99	27.56	25.77

88. CAESAR Name: BI-TROCHANTERIC BREADTH, SITTING (COMFORTABLE)

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1108.00	1108.00	1253.00	1253.00
Weighted Size	1107.72	1107.72	1253.55	1253.55
Mean	385.15	15.16	391.39	15.41
SE Mean	1.07	0.04	1.41	0.06
STD	35.61	1.33	49.92	2.12



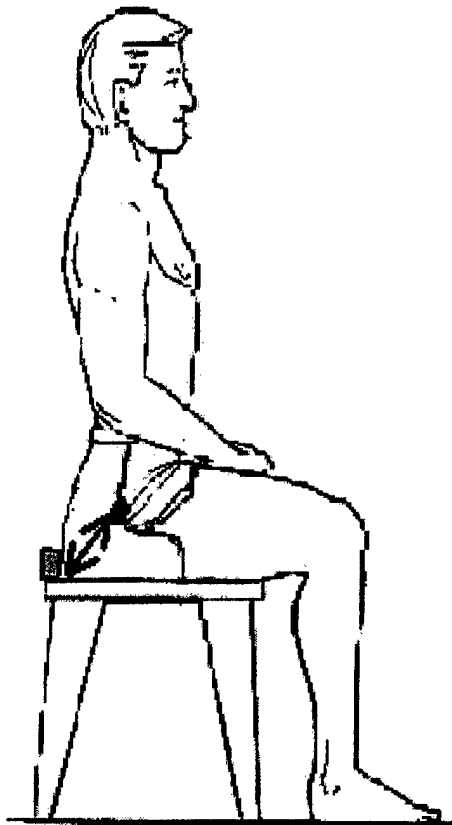
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	324.38	318.01
	2	331.59	324.09
	3	334.55	331.13
	5	339.33	335.87
	10	347.36	344.20
	20	358.02	356.06
	25	362.97	361.96
	50	380.38	383.22
	75	405.45	411.36
	80	410.85	419.96
	90	424.77	448.75
	95	441.59	472.82
	97	454.18	500.57
	98	464.06	518.06
	99	485.27	546.02
English (in)			
	1	12.77	12.52
	2	13.05	12.76
	3	13.17	13.03
	5	13.36	13.22
	10	13.67	13.55
	20	14.10	14.01
	25	14.29	14.25
	50	14.97	15.08
	75	15.95	16.19
	80	16.17	16.53
	90	16.72	17.66
	95	17.38	18.62
	97	17.88	19.71
	98	18.27	20.40
	99	19.10	21.49

89. CAESAR Name: BUTTOCK TO TROCHANTER LENGTH (COMFORTABLE)

ISO Reference No. N/A

ISO Name:

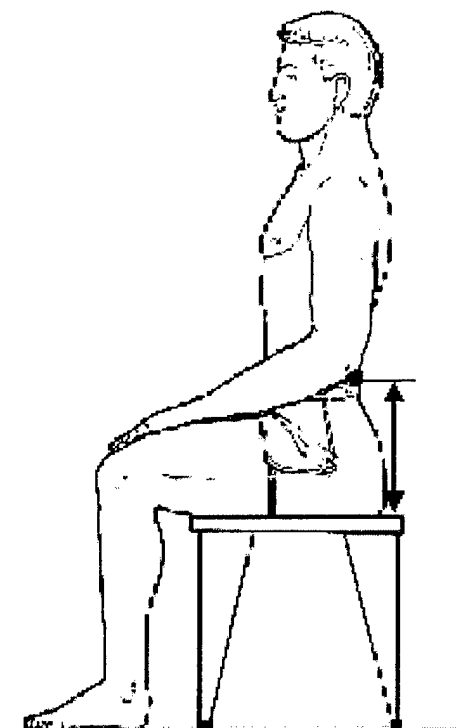
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1103.00	1103.00	1248.00	1248.00
Weighted Size	1104.62	1104.62	1248.51	1248.51
Mean	178.94	7.05	188.77	7.43
SE Mean	0.61	0.02	0.58	0.02
STD	20.27	0.66	20.49	0.71



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	137.24	151.74
	2	142.44	156.09
	3	146.86	157.53
	5	151.26	160.96
	10	157.09	165.89
	20	164.33	173.86
	25	166.94	176.63
	50	176.88	187.43
	75	188.91	199.43
	80	192.03	202.71
	90	204.01	211.76
	95	212.38	220.14
	97	220.22	226.20
	98	225.94	230.78
	99	233.31	237.70
English (in)			
	1	5.40	5.97
	2	5.61	6.14
	3	5.78	6.20
	5	5.95	6.34
	10	6.18	6.53
	20	6.47	6.84
	25	6.57	6.95
	50	6.96	7.38
	75	7.43	7.85
	80	7.56	7.98
	90	8.02	8.34
	95	8.36	8.65
	97	8.67	8.90
	98	8.90	9.08
	99	9.19	9.36

90. CAESAR Name: ELBOW HEIGHT, SITTING (COMFORTABLE), LEFT
ISO Reference No. N/A
ISO Name:

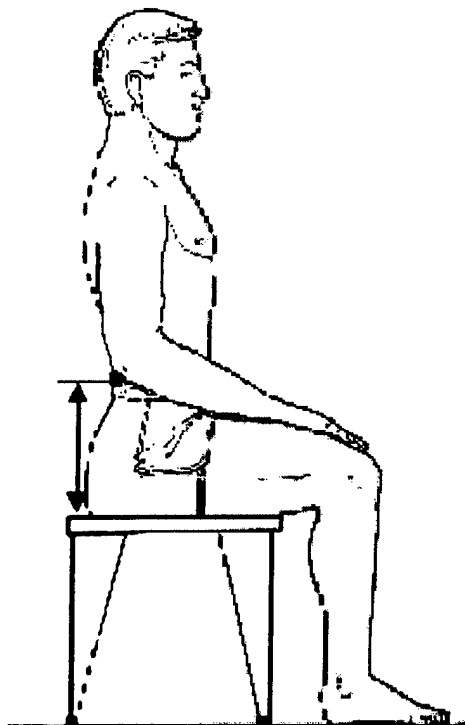
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1105.00	1105.00	1253.00	1253.00
Weighted Size	1108.14	1108.14	1252.18	1252.18
Mean	285.20	11.23	279.96	11.02
SE Mean	1.17	0.05	0.90	0.04
STD	38.95	1.66	31.85	1.42



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	199.50	211.57
	2	208.78	221.79
	3	218.35	224.74
	5	231.73	232.25
	10	242.79	242.27
	20	258.60	254.89
	25	264.31	260.74
	50	284.15	279.38
	75	306.65	296.97
	80	312.48	302.81
	90	325.52	315.12
	95	337.69	327.19
	97	346.42	338.44
	98	349.90	342.98
	99	357.71	356.66
English (in)			
	1	7.85	8.33
	2	8.22	8.73
	3	8.59	8.85
	5	9.12	9.14
	10	9.56	9.54
	20	10.18	10.04
	25	10.40	10.27
	50	11.19	11.00
	75	12.08	11.69
	80	12.30	11.92
	90	12.82	12.40
	95	13.30	12.88
	97	13.64	13.33
	98	13.78	13.50
	99	14.08	14.04

91. CAESAR Name: ELBOW HEIGHT, SITTING (COMFORTABLE), RIGHT
 ISO Reference No. N/A
 ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1106.00	1106.00	1253.00	1253.00
Weighted Size	1108.39	1108.39	1252.18	1252.18
Mean	276.85	10.90	275.16	10.83
SE Mean	1.15	0.05	0.89	0.03
STD	38.29	1.66	31.49	1.06



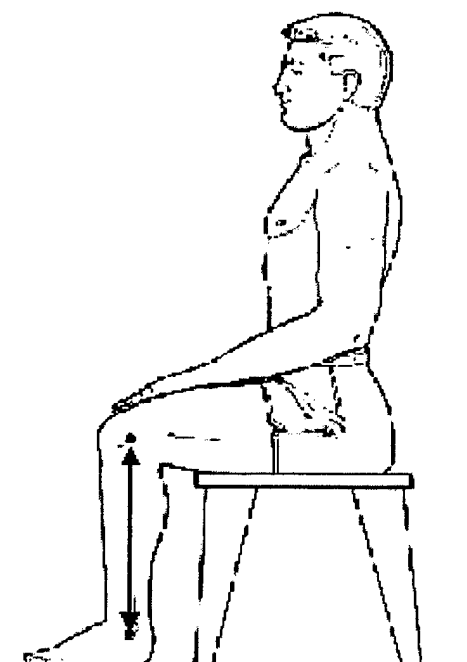
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	200.72	205.10
	2	205.07	213.29
	3	212.45	219.88
	5	223.52	228.10
	10	234.74	238.97
	20	248.64	250.82
	25	256.32	256.74
	50	276.29	274.28
	75	297.94	291.99
	80	303.44	296.22
	90	317.86	312.07
	95	329.23	322.51
	97	334.53	330.29
	98	342.35	343.67
	99	356.68	356.07
English (in)			
	1	7.90	8.07
	2	8.07	8.40
	3	8.37	8.66
	5	8.80	8.98
	10	9.24	9.41
	20	9.79	9.87
	25	10.09	10.11
	50	10.88	10.80
	75	11.73	11.50
	80	11.95	11.66
	90	12.51	12.28
	95	12.96	12.70
	97	13.17	13.00
	98	13.47	13.53
	99	14.05	14.02

92. CAESAR Name: FEMORAL EPICONDYLE, LATERAL, LEFT TO MALLEOLUS, LATERAL, (COMFORTABLE) LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1110.00	1110.00	1256.00	1255.00
Weighted Size	1110.19	1110.19	1255.57	1254.53
Mean	409.37	16.12	369.53	14.55
SE Mean	0.83	0.03	0.72	0.03
STD	27.66	1.00	25.51	1.06



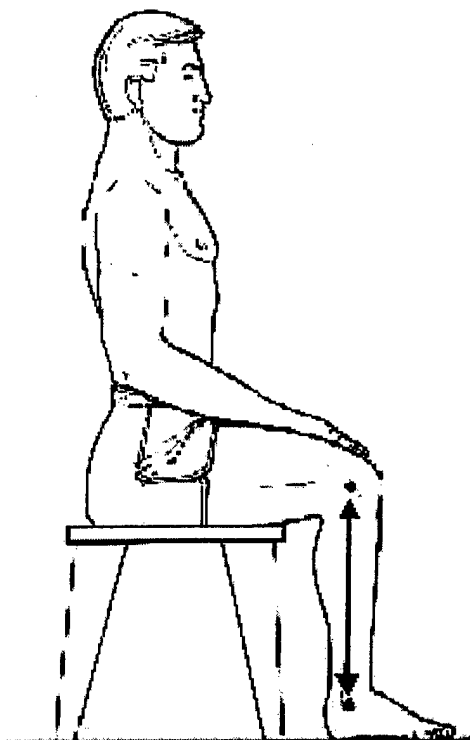
		MEN	WOMEN
	Percentiles	Quantile	Quantile
Metric (mm)			
	1	356.65	322.64
	2	362.66	327.34
	3	365.41	330.93
	5	369.90	334.76
	10	378.31	340.20
	20	389.12	350.01
	25	392.97	352.52
	50	408.51	368.78
	75	424.93	384.64
	80	428.91	388.74
	90	440.91	398.75
	95	452.17	408.10
	97	460.70	416.06
	98	464.63	418.25
	99	471.58	425.60
English (in)			
	1	14.04	12.70
	2	14.27	12.89
	3	14.38	13.02
	5	14.56	13.18
	10	14.89	13.39
	20	15.32	13.78
	25	15.47	13.88
	50	16.08	14.52
	75	16.73	15.14
	80	16.88	15.30
	90	17.36	15.70
	95	17.80	16.06
	97	18.13	16.37
	98	18.29	16.46
	99	18.57	16.72

93. CAESAR Name: FEMORAL EPICONDYLE, LATERAL, RIGHT TO MALLEOLUS,
LATERAL (COMFORTABLE), RIGHT

ISO Reference No. N/A

ISO Name:

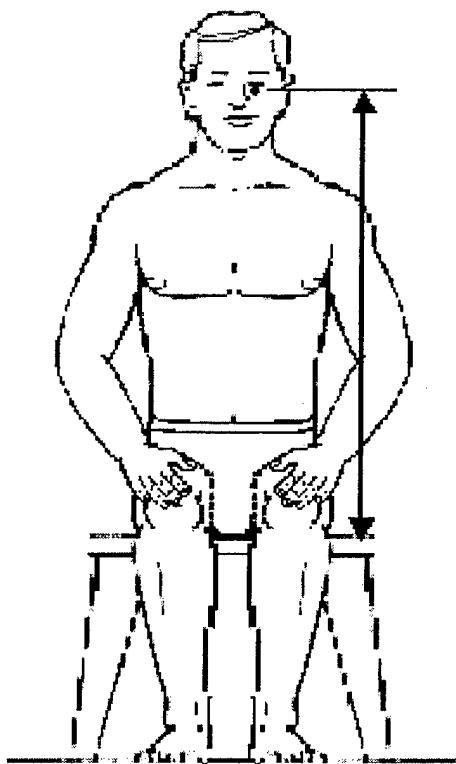
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1109.00	1109.00	1257.00	1257.00
Weighted Size	1109.03	1109.03	1256.37	1256.37
Mean	407.93	16.06	370.06	14.57
SE Mean	0.81	0.03	0.72	0.03
STD	26.97	1.00	25.52	1.06



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	355.81	326.39
	2	363.13	331.06
	3	366.72	332.62
	5	372.15	334.45
	10	377.83	341.21
	20	387.53	350.34
	25	391.97	353.93
	50	406.94	368.23
	75	422.32	385.01
	80	427.12	389.06
	90	438.42	399.76
	95	448.77	408.36
	97	457.24	415.03
	98	462.88	420.48
	99	471.16	428.53
English (in)			
	1	14.01	12.84
	2	14.30	13.03
	3	14.43	13.09
	5	14.65	13.17
	10	14.87	13.43
	20	15.25	13.79
	25	15.43	13.93
	50	16.02	14.49
	75	16.62	15.16
	80	16.82	15.31
	90	17.26	15.74
	95	17.66	16.07
	97	18.00	16.34
	98	18.22	16.55
	99	18.55	16.88

94. CAESAR Name: INFRAORBITALE HEIGHT, SITTING (COMFORTABLE), LEFT
 ISO Reference No. N/A
 ISO Name:

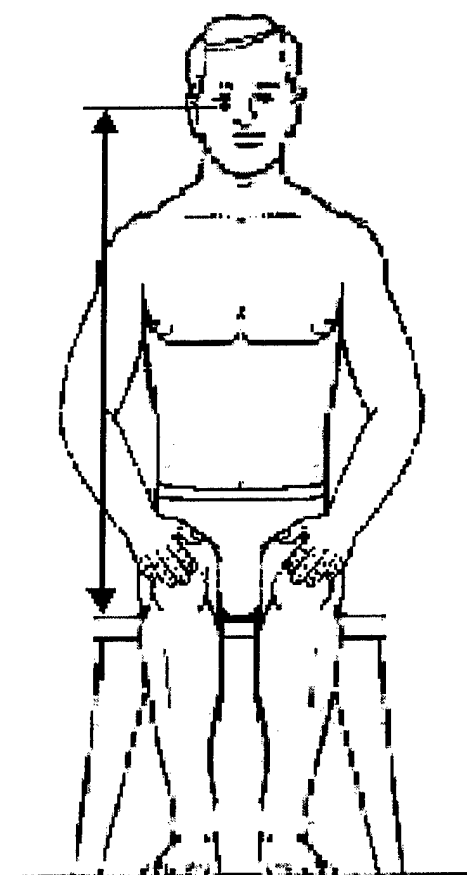
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1106.00	1106.00	1251.00	1252.00
Weighted Size	1108.39	1108.39	1250.44	1251.48
Mean	769.96	30.31	729.71	28.72
SE Mean	1.40	0.06	1.09	0.04
STD	46.61	2.00	38.54	1.42



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	665.29	646.75
	2	677.75	658.50
	3	684.53	663.49
	5	698.66	671.04
	10	716.92	683.58
	20	736.02	700.39
	25	743.26	706.58
	50	770.37	728.25
	75	796.62	752.44
	80	804.01	758.27
	90	822.59	775.05
	95	837.01	787.50
	97	848.88	797.25
	98	858.68	807.10
	99	866.92	814.78
English (in)			
	1	26.19	25.45
	2	26.68	25.92
	3	26.95	26.11
	5	27.51	26.41
	10	28.23	26.91
	20	28.98	27.57
	25	29.26	27.81
	50	30.32	28.67
	75	31.36	29.63
	80	31.65	29.85
	90	32.38	30.51
	95	32.95	31.00
	97	33.43	31.39
	98	33.81	31.77
	99	34.13	32.08

95. CAESAR Name: INFRAORBITALE HEIGHT, SITTING (COMFORTABLE), RIGHT
 ISO Reference No. N/A
 ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1106.00	1106.00	1252.00	1252.00
Weighted Size	1108.39	1108.39	1250.89	1250.89
Mean	769.80	30.31	729.34	28.71
SE Mean	1.40	0.06	1.09	0.04
STD	46.61	2.00	38.55	1.41



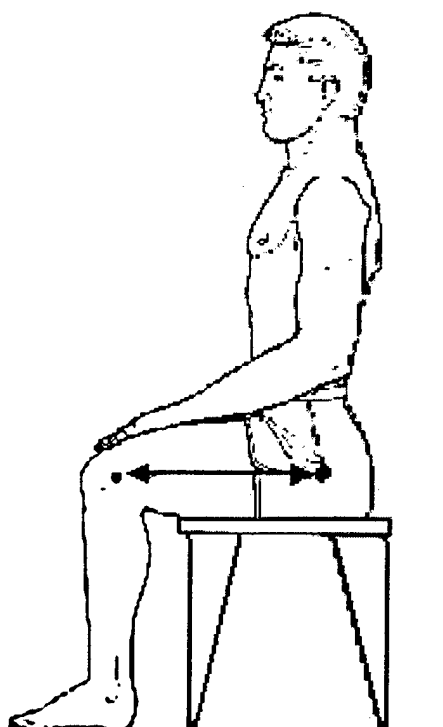
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	662.16	646.24
	2	675.75	658.54
	3	683.98	663.92
	5	700.41	670.92
	10	716.40	684.17
	20	736.09	699.43
	25	742.25	706.43
	50	769.00	727.00
	75	796.81	751.98
	80	802.95	758.17
	90	823.17	774.76
	95	837.59	788.75
	97	848.95	800.18
	98	857.45	807.32
	99	867.47	814.01
English (in)			
	1	26.07	25.44
	2	26.60	25.93
	3	26.93	26.14
	5	27.58	26.42
	10	28.21	26.94
	20	28.98	27.54
	25	29.22	27.81
	50	30.28	28.62
	75	31.37	29.61
	80	31.61	29.85
	90	32.41	30.50
	95	32.97	31.05
	97	33.43	31.51
	98	33.76	31.78
	99	34.15	32.05

96. CAESAR Name: TROCHANTER TO FEMORAL EPICONDYLE, LATERAL
(COMFORTABLE), LEFT

ISO Reference No. N/A

ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1109.00	1109.00	1253.00	1252.00
Weighted Size	1108.89	1108.89	1253.62	1252.59
Mean	437.15	17.21	411.74	16.21
SE Mean	0.92	0.04	0.92	0.04
STD	30.64	1.33	32.57	1.42



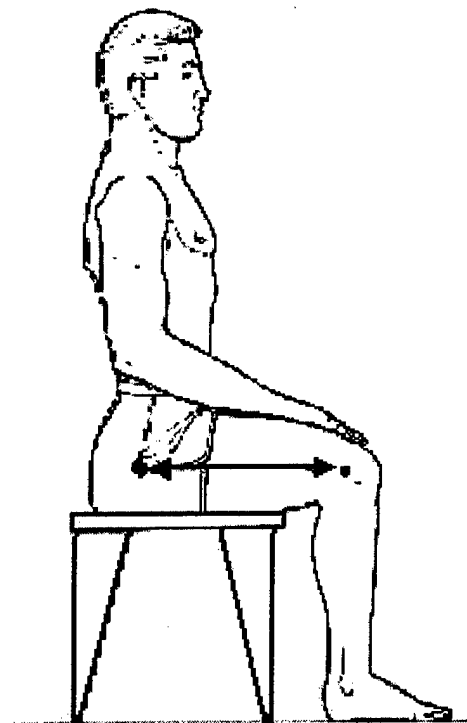
	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	370.10	348.17
	2	377.50	353.72
	3	387.26	358.75
	5	392.56	365.13
	10	403.75	376.64
	20	415.09	386.18
	25	419.41	391.16
	50	437.42	409.82
	75	454.07	429.48
	80	459.19	434.83
	90	470.01	451.03
	95	481.28	463.12
	97	487.45	470.88
	98	491.75	480.04
	99	503.24	484.99
English (in)			
	1	14.57	13.71
	2	14.86	13.93
	3	15.25	14.12
	5	15.46	14.37
	10	15.90	14.82
	20	16.34	15.21
	25	16.51	15.40
	50	17.22	16.13
	75	17.88	16.90
	80	18.08	17.11
	90	18.50	17.76
	95	18.94	18.23
	97	19.19	18.54
	98	19.36	18.90
	99	19.81	19.10

97. CAESAR Name: TROCHANTER TO FEMORAL EPICONDYLE, LATERAL
(COMFORTABLE), RIGHT

ISO Reference No. N/A

ISO Name:

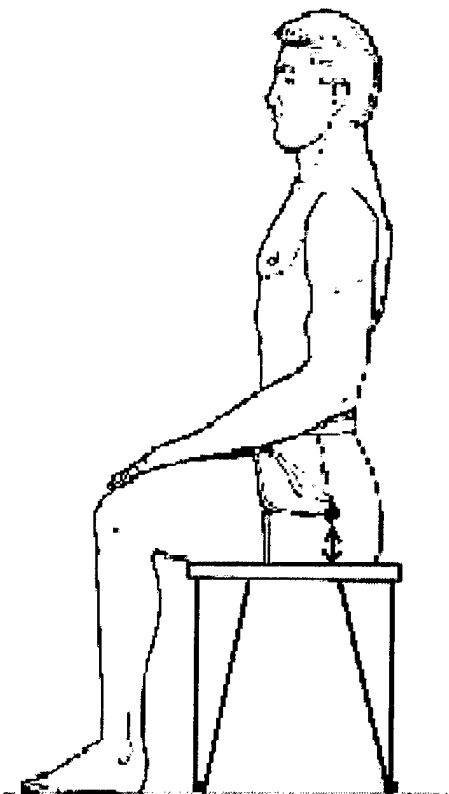
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1110.00	1110.00	1253.00	1253.00
Weighted Size	1110.31	1110.31	1253.74	1253.74
Mean	436.16	17.17	412.60	16.24
SE Mean	0.89	0.04	0.91	0.04
STD	29.66	1.33	32.22	1.42



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	373.55	350.11
	2	381.28	357.53
	3	384.63	363.41
	5	392.96	366.61
	10	403.26	376.04
	20	412.79	387.95
	25	417.60	391.91
	50	436.18	411.60
	75	452.37	432.50
	80	457.46	437.83
	90	470.93	448.94
	95	480.93	459.22
	97	488.61	467.25
	98	494.45	473.74
	99	501.53	482.96
English (in)			
	1	14.71	13.78
	2	15.01	14.07
	3	15.13	14.30
	5	15.47	14.43
	10	15.88	14.80
	20	16.25	15.27
	25	16.44	15.43
	50	17.17	16.20
	75	17.81	17.03
	80	18.01	17.23
	90	18.54	17.67
	95	18.93	18.06
	97	19.24	18.39
	98	19.47	18.65
	99	19.75	19.01

98. CAESAR Name: TROCHANTER TO SEATED SURFACE (COMFORTABLE), LEFT
ISO Reference No. N/A
ISO Name:

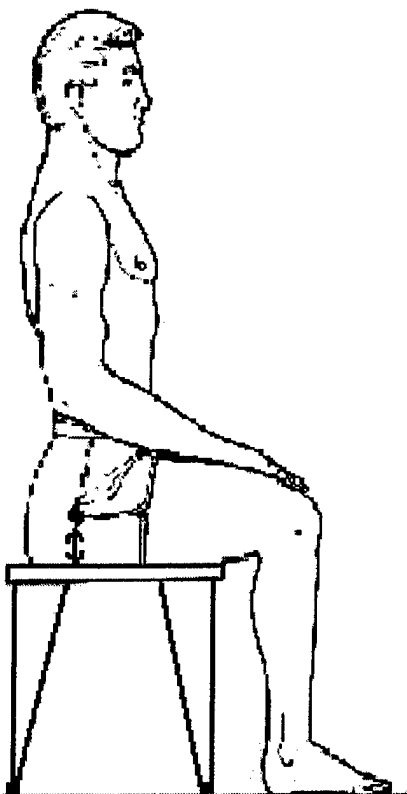
	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1104.00	1104.00	1249.00	1250.00
Weighted Size	1105.80	1105.80	1249.43	1250.46
Mean	134.41	5.29	134.43	5.30
SE Mean	0.50	0.02	0.43	0.02
STD	16.63	0.67	15.20	0.71



	Percentiles	MEN Quantile	WOMEN Quantile
Metric (mm)			
	1	100.21	101.03
	2	104.20	106.67
	3	106.13	109.07
	5	110.58	112.93
	10	115.38	118.08
	20	120.99	122.67
	25	122.98	124.61
	50	133.30	132.71
	75	142.93	142.34
	80	144.93	144.58
	90	152.61	150.86
	95	159.50	158.29
	97	166.05	162.69
	98	169.23	166.52
	99	171.81	171.93
English (in)			
	1	3.95	3.98
	2	4.10	4.20
	3	4.18	4.29
	5	4.35	4.45
	10	4.55	4.65
	20	4.76	4.83
	25	4.84	4.91
	50	5.25	5.23
	75	5.63	5.60
	80	5.71	5.70
	90	6.00	5.94
	95	6.28	6.24
	97	6.54	6.42
	98	6.66	6.56
	99	6.76	6.79

99. CAESAR Name: TROCHANTER TO SEATED SURFACE (COMFORTABLE), RIGHT
 ISO Reference No. N/A
 ISO Name:

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1105.00	1105.00	1249.00	1249.00
Weighted Size	1107.22	1107.22	1249.54	1249.54
Mean	137.10	5.40	137.01	5.39
SE Mean	0.50	0.02	0.44	0.02
STD	16.64	0.67	15.55	0.71



	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	103.67	106.07
	2	107.22	108.43
	3	109.76	110.33
	5	112.94	114.70
	10	117.65	120.00
	20	124.48	124.50
	25	126.56	126.60
	50	136.09	136.01
	75	145.57	144.84
	80	148.44	148.05
	90	154.69	154.75
	95	162.40	160.94
	97	167.60	164.68
	98	171.14	167.92
	99	176.27	172.88
English (in)			
	1	4.08	4.17
	2	4.22	4.27
	3	4.32	4.34
	5	4.45	4.52
	10	4.64	4.72
	20	4.90	4.90
	25	4.98	4.98
	50	5.35	5.35
	75	5.73	5.70
	80	5.85	5.83
	90	6.09	6.09
	95	6.40	6.34
	97	6.59	6.49
	98	6.74	6.61
	99	6.94	6.81

CHAPTER 5: DEMOGRAPHIC

This chapter contains the sample size, weighted sample size, mean, standard error of the mean (SE Mean), standard deviation (STD), and selected percentiles for both men and women, and in both English (in. or lbs) and Metric (mm or kgs) units for the demographic reported measurements.

MALES

SITE	COUNT	PERCENT
Los Angeles CA	157.71	14.09
Detroit MI	192.65	17.22
Ames IA	74.61	6.67
Dayton OH	42.23	3.77
Greensboro NC	42.10	3.76
Marlton NJ	55.39	4.95
Ottawa Ontario	150.41	13.44
Minneapolis MN	117.91	10.54
Houston TX	41.48	3.71
Portland OR	68.44	6.12
Dayton OH (2)	12.02	1.07
San Francisco CA	45.58	4.07
Atlanta GA	118.47	10.59
Missing	0	0

FEMALES

COUNT	PERCENT
93.23	7.39
100.81	7.99
65.28	5.18
46.94	3.72
47.11	3.74
81.42	6.46
92.95	7.37
288.65	22.89
54.13	4.29
175.72	13.94
11.46	0.91
63.88	5.07
139.42	11.06
0	0

COUNTRY	COUNT	PERCENT
United States	1119.00	100
Missing	0	0

COUNT	PERCENT
1261.00	100
0	0

CIVILIAN	COUNT	PERCENT
Yes	1087.84	97.22
No	31.16	2.78
Missing	0	0

COUNT	PERCENT
1234.40	97.89
26.60	2.11
0	0

AGE	COUNT	PERCENT
18	10.19	0.91
19	15.43	1.38
20	22.55	2.02
21	25.09	2.24
22	20.46	1.83
23	29.60	2.64
24	30.67	2.74
25	35.99	3.22
26	42.69	3.82
27	30.42	2.72
28	26.48	2.37
29	44.92	4.01
30	21.57	1.93
31	14.90	1.33
32	32.75	2.93
33	36.61	3.27
34	22.89	2.05
35	35.81	3.20

COUNT	PERCENT
6.20	0.49
29.85	2.37
34.15	2.71
17.41	1.38
34.63	2.75
26.76	2.12
24.87	1.97
43.97	3.49
28.57	2.27
38.21	3.03
42.41	3.36
39.75	3.15
31.62	2.51
37.14	2.95
21.93	1.74
27.56	2.19
26.55	2.11
30.18	2.39

MALES

FEMALES

AGE (continued)	COUNT	PERCENT
36	34.26	3.06
37	30.64	2.74
38	29.96	2.68
39	43.72	3.91
40	28.68	2.56
41	39.27	3.51
42	22.32	1.99
43	27.73	2.48
44	23.11	2.06
45	17.63	1.58
46	24.70	2.21
47	25.39	2.27
48	24.93	2.23
49	18.47	1.65
50	18.04	1.61
51	18.43	1.65
52	24.06	2.15
53	13.40	1.20
54	12.96	1.16
55	21.32	1.91
56	15.68	1.40
57	22.87	2.04
58	11.30	1.01
59	19.52	1.74
60	7.58	0.68
61	4.81	0.43
62	6.75	0.60
63	9.84	0.88
64	12.81	1.14
65	9.80	0.88
Missing	0	0

COUNT	PERCENT
24.85	1.97
31.91	2.53
36.45	2.89
43.44	3.44
37.43	2.97
35.37	2.80
44.37	3.52
31.84	2.53
38.28	3.04
31.45	2.49
30.19	2.39
24.74	1.96
38.87	3.08
29.87	2.37
18.28	1.45
30.02	2.38
21.26	1.69
25.75	2.04
17.16	1.36
15.04	1.19
13.08	1.04
13.93	1.10
12.03	0.95
6.32	0.50
14.25	1.13
6.36	0.50
12.02	0.95
14.11	1.12
11.44	0.91
9.14	0.72
0	0

BIRTH STATE	COUNT	PERCENT
Alabama	11.24	1.00
Alaska	0.79	0.07
Arizona	1.82	0.16
Arkansas	0.64	0.06
California	97.15	8.68
Colorado	6.20	0.55
Connecticut	3.55	0.32
Florida	8.13	0.73
Georgia	38.04	3.40
Hawaii	1.89	0.17
Idaho	3.82	0.34
Illinois	35.24	3.15
Indiana	11.08	0.99

COUNT	PERCENT
9.24	0.73
1.29	0.10
4.06	0.32
2.63	0.21
101.56	8.05
7.01	0.56
5.19	0.41
11.73	0.93
41.67	3.30
5.73	0.45
1.46	0.12
38.22	3.03
9.57	0.76

MALES

FEMALES

BIRTH STATE (continued)	COUNT	PERCENT
Iowa	51.81	4.63
Kansas	7.09	0.63
Kentucky	7.23	0.65
Louisiana	10.52	0.94
Maine	2.32	0.21
Maryland	7.50	0.67
Massachusetts	10.31	0.92
Michigan	151.07	13.5
Minnesota	66.77	5.97
Mississippi	7.91	0.71
Missouri	7.41	0.66
Montana	4.52	0.40
Nebraska	8.77	0.78
New Jersey	39.43	3.52
New Mexico	1.40	0.12
New York	44.25	3.95
North Carolina	27.92	2.50
North Dakota	1.86	0.17
Ohio	41.41	3.70
Oklahoma	1.55	0.14
Oregon	22.59	2.02
Pennsylvania	38.38	3.43
South Carolina	2.92	0.26
South Dakota	3.83	0.34
Tennessee	11.62	1.04
Texas	18.90	1.69
US Territory	1.95	0.17
Utah	2.84	0.25
Vermont	1.89	0.17
Virginia	8.17	0.73
Washington	18.29	1.63
Washington DC	8.36	0.75
West Virginia	4.03	0.36
Wisconsin	20.56	1.84
Wyoming	1.22	0.11
Not Born in U.S.	218.13	19.49
Missing	14.70	1.31

COUNT	PERCENT
57.08	4.53
5.79	0.46
5.39	0.43
16.66	1.32
2.11	0.17
5.97	0.47
7.70	0.61
102.83	8.15
176.21	13.97
7.20	0.57
20.26	1.61
3.99	0.32
10.25	0.81
55.73	4.42
2.98	0.24
56.11	4.45
23.07	1.83
5.03	0.40
44.45	3.53
7.13	0.57
57.25	4.54
30.85	2.45
9.86	0.78
6.51	0.52
10.78	0.85
38.71	3.07
0.61	0.05
2.99	0.24
2.20	0.17
21.74	1.72
22.76	1.81
2.64	0.21
1.40	0.11
27.68	2.19
2.56	0.20
161.58	12.81
5.60	0.44

OCCUPATION	COUNT	PERCENT
Degreed Engineer	190.78	17.05
Management	151.15	13.51
Technician	76.39	6.83
Administrator	42.46	3.79
Other Specialty	106.38	9.51
Administrative Support	28.96	2.59
Service Occupation	28.95	2.59

COUNT	PERCENT
68.97	5.47
61.09	4.84
41.37	3.28
62.58	4.96
191.88	15.22
190.24	15.09
27.27	2.16

MALES

OCCUPATION (continued)	COUNT	PERCENT
Supervisor	24.33	2.17
Sales/Marketing	50.07	4.47
No Response	13.02	1.16
Attorney or Judge	7.34	0.66
Transportation	9.16	0.82
Student	127.90	11.43
Computer Programmer	49.17	4.39
Scientist	47.66	4.26
Machine Operator	11.72	1.05
Homemaker	0.64	0.06
Classroom Teacher	16.28	1.46
Health Diagnosing	12.15	1.09
Mechanic	5.99	0.54
Retired	49.95	4.46
Unemployed	13.06	1.17
Armed Services	14.44	1.29
Construction	11.39	1.02
Health Non-Diagnosing	7.19	0.64
Material Handler	12.57	1.12
Training/Continuing Education	3.35	0.30
Other Legal/Judicial	5.89	0.53
Farm Occupation	0.64	0.06
Missing	0	0

FEMALES

COUNT	PERCENT
15.58	1.24
71.08	5.64
23.76	1.88
10.38	0.82
3.48	0.28
143.26	11.36
29.44	2.33
20.69	1.64
12.39	0.98
73.35	5.82
53.30	4.23
19.25	1.53
1.14	0.09
48.50	3.85
23.05	1.83
6.37	0.50
46.19	3.66
1.42	0.11
4.76	0.38
7.17	0.57
1.29	0.10
1.75	0.14
0	0

EDUCATION	COUNT	PERCENT
Associates	24.31	2.17
Bachelor	404.61	36.16
Doctorate/PhD	80.40	7.18
High School	108.80	9.72
Masters	205.33	18.35
Post-Doctoral	18.04	1.61
Some College	172.77	15.44
Technical Training	100.15	8.95
None of the above	2.54	0.23
Missing	2.05	0.18

COUNT	PERCENT
40.48	3.21
454.36	36.03
36.17	2.87
156.74	12.43
224.83	17.83
0.90	0.07
253.77	20.12
81.12	6.43
5.60	0.44
7.02	0.56

NUMBER OF CHILDREN	COUNT	PERCENT
0	552.37	49.36
1	138.71	12.40
2	229.47	20.51
3	107.48	9.61
4	50.86	4.55
5	12.28	1.10
6	4.63	0.41

COUNT	PERCENT
702.79	55.73
143.05	11.34
259.40	20.57
102.92	8.16
25.81	2.05
8.82	0.70
3.72	0.30

MALES

NUMBER OF CHILDREN (cont)	COUNT	PERCENT
7 or more	3.40	0.30
Missing	19.80	1.77

FEMALES

COUNT	PERCENT
2.36	0.19
12.14	0.96

FITNESS	COUNT	PERCENT
0-1	211.58	18.91
2-3	314.24	28.08
4-6	282.13	25.21
6-10	198.18	17.71
More than 10	101.04	9.03
Missing	11.83	1.06

COUNT	PERCENT
268.83	21.32
443.72	35.19
329.22	26.11
137.31	10.89
64.46	5.11
17.46	1.38

CAR MAKE	COUNT	PERCENT
Acura	12.40	1.11
Audi	2.80	0.25
BMW	8.45	0.76
Buick	26.50	2.37
Cadillac	5.82	0.52
Chevrolet	106.70	9.54
Chrysler	26.29	2.35
Dodge	51.85	4.63
Eagle	3.98	0.36
Ford	165.17	14.76
GMC	33.54	3.00
Honda	59.11	5.28
Hyundai	4.04	0.36
Infiniti	56.33	5.03
Isuzu	7.52	0.67
Jeep	26.23	2.34
Lexus	1.86	0.17
Lincoln	12.41	1.11
Mazda	42.47	3.80
Mercedes	9.87	0.88
Mercury	22.30	1.99
Mitsubishi	9.49	0.85
Nissan	115.28	10.30
Oldsmobile	19.19	1.72
Other	9.12	0.81
Plymouth	5.75	0.51
Pontiac	35.72	3.19
Porsche	2.19	0.20
Saab	2.82	0.25
Saturn	40.17	3.59
Subaru	21.26	1.90
Suzuki	3.53	0.32
Toyota	77.11	6.89

COUNT	PERCENT
20.74	1.65
2.36	0.19
11.19	0.89
30.78	2.44
8.64	0.68
116.71	9.26
37.63	2.98
52.95	4.20
4.72	0.37
164.82	13.07
20.09	1.59
136.20	10.80
6.13	0.49
30.64	2.43
3.21	0.25
26.58	2.11
4.80	0.38
10.04	0.80
37.10	2.94
8.36	0.66
34.07	2.70
17.64	1.40
85.77	6.80
22.91	1.82
8.94	0.71
29.62	2.35
39.46	3.13
0.79	0.06
3.84	0.30
36.62	2.90
22.99	1.82
2.88	0.23
118.30	9.38

MALES

CAR MAKE (continued)	COUNT	PERCENT
Volkswagen	28.02	2.50
Volvo	14.79	1.32
Missing	48.89	4.37

FEMALES

COUNT	PERCENT
21.71	1.72
15.08	1.20
66.68	5.28

CAR YEAR	COUNT	PERCENT
1953	0.60	0.05
1964	0.75	0.07
1966	0.00	0.00
1967	0.00	0.00
1968	3.39	0.30
1970	3.26	0.29
1971	2.68	0.24
1974	0.97	0.09
1975	2.14	0.19
1976	3.49	0.31
1977	1.51	0.13
1978	2.52	0.23
1979	3.02	0.27
1980	5.12	0.46
1981	6.77	0.61
1982	4.08	0.37
1983	5.15	0.46
1984	12.44	1.11
1985	17.73	1.58
1986	38.94	3.48
1987	43.43	3.88
1988	35.14	3.14
1989	47.93	4.28
1990	56.37	5.04
1991	52.27	4.67
1992	64.11	5.73
1993	67.37	6.02
1994	104.65	9.35
1995	86.88	7.76
1996	95.47	8.53
1997	139.31	12.45
1998	127.14	11.36
1999	31.86	2.85
2000	23.13	2.07
2001	0.00	0.00
Missing	29.36	2.62

COUNT	PERCENT
0.00	0.00
0.00	0.00
1.65	0.13
0.78	0.06
1.29	0.10
0.79	0.06
0.84	0.07
0.80	0.06
0.00	0.00
1.17	0.09
0.00	0.00
1.04	0.08
2.85	0.23
2.15	0.17
5.02	0.40
0.31	0.02
4.09	0.32
17.90	1.42
14.64	1.16
26.87	2.13
27.49	2.18
35.50	2.82
50.57	4.01
60.17	4.77
80.65	6.40
77.63	6.16
85.76	6.80
100.87	8.00
130.51	10.35
87.91	6.97
142.38	11.29
143.52	11.38
67.47	5.35
34.65	2.75
3.88	0.31
49.85	3.95

MALES

CAR MODEL	COUNT	PERCENT
Compact	161.02	14.39
Economy	36.98	3.30
Full Size 2-Door	29.43	2.63
Full Size 4- Door	148.06	13.23
Intermediate	147.33	13.17
Luxury	76.28	6.82
Minivan	59.31	5.30
Sports Car	101.57	9.08
Station Wagon	37.19	3.32
SUV	109.04	9.74
Truck	119.43	10.67
Van	34.19	3.06
Don't Know	3.58	0.32
Other	6.50	0.58
Missing	49.08	4.38

FEMALES

COUNT	PERCENT
240.61	19.08
41.15	3.26
37.35	2.96
178.58	14.16
180.52	14.32
52.87	4.19
71.51	5.67
96.15	7.63
64.96	5.15
133.42	10.58
38.48	3.05
36.12	2.86
9.91	0.79
10.03	0.80
69.34	5.49

RACE	COUNT	PERCENT
White	937.98	83.82
African	125.15	11.18
Native American	1.09	0.10
Spanish/Hispanic Cuban	1.16	0.10
Spanish/Hispanic Mexican American	5.87	0.52
Spanish/Hispanic Puerto Rican	1.19	0.11
Spanish/Hispanic Other	3.51	0.31
Asian/Pacific Islander Asian Indian	6.06	0.54
Asian/Pacific Islander Chinese	16.09	1.44
Asian/Pacific Islander Filipino	5.28	0.47
Asian/Pacific Islander Japanese	3.53	0.32
Asian/Pacific Islander Korean	1.67	0.15
Asian/Pacific Islander Vietnamese	2.10	0.19
Asian/Pacific Islander Other	1.04	0.09
Other Mixed Race	5.13	0.46

COUNT	PERCENT
1041.94	82.63
164.54	13.05
1.80	0.14
0.00	0.00
3.41	0.27
0.61	0.05
1.89	0.15
0.98	0.08
16.14	1.28
6.06	0.48
2.30	0.18
2.31	0.18
3.84	0.30
0.69	0.05
10.51	0.83

MALES

FEMALES

RACE (continued)	COUNT	PERCENT	COUNT	PERCENT
Other Not Listed	1.44	0.13	2.00	0.16
Missing	0.72	0.06	1.98	0.16

MARITAL STATUS	COUNT	PERCENT	COUNT	PERCENT
Engaged	4.97	0.44	5.30	0.42
Single	426.57	38.12	473.88	37.58
Married	600.31	53.65	588.87	46.70
Divorced	78.20	6.99	159.66	12.66
Widowed	6.48	0.58	22.89	1.82
Missing	2.47	0.22	10.41	0.83

FAMILY INCOME	COUNT	PERCENT	COUNT	PERCENT
Less than 10k	18.94	1.69	35.53	2.82
10k\$-14,999	16.45	1.47	28.43	2.25
15k\$-19,999	19.20	1.72	30.66	2.43
20k\$-29,999	81.61	7.29	109.14	8.66
30k\$-44,999	181.19	16.19	228.64	18.13
45k\$-59,999	191.74	17.14	182.22	14.45
60k\$-79,999	163.92	14.65	179.14	14.21
80k\$-100k	138.23	12.35	138.94	11.02
Over 100k	160.94	14.38	152.30	12.08
No Response	119.72	10.70	129.48	10.27
Missing	27.06	2.42	46.51	3.69

SHOE SIZE	COUNT	PERCENT	COUNT	PERCENT
5 or Smaller	1.17	0.10	20.14	1.60
5.5	0.00	0.00	26.52	2.10
6	1.69	0.15	70.89	5.62
6.5	0.49	0.04	109.69	8.70
7	10.53	0.94	126.56	10.04
7.5	21.98	1.96	170.46	13.52
8	54.42	4.86	209.26	16.59
8.5	86.78	7.76	149.80	11.88
9	128.95	11.52	151.21	11.99
9.5	197.19	17.62	80.47	6.38
10	145.39	12.99	88.81	7.04
10.5	146.84	13.12	18.69	1.48
11	109.83	9.82	24.17	1.92
11.5	56.39	5.04	4.18	0.33
12	74.42	6.65	4.52	0.36
12.5	10.55	0.94	1.34	0.11

MALES**FEMALES**

SHOE SIZE (continued)	COUNT	PERCENT	COUNT	PERCENT
13	45.54	4.07	0.00	0.00
13.5	4.76	0.42	1.14	0.09
14 or Larger	21.36	1.91	1.04	0.08
Don't Know	0.20	0.02	2.11	0.17
Missing	0.50	0.05	0.00	0.00

MALES

JACKET SIZE	COUNT	PERCENT
30 or Smaller	2.60	0.23
32	6.14	0.55
34	14.76	1.32
36	32.91	2.94
38	102.02	9.12
40	190.19	17.00
42	235.29	21.03
44	168.73	15.08
46	69.37	6.20
48 or Larger	72.28	6.46
Don't Know	215.65	19.27
Missing	9.05	0.81

PANTS SIZE WAIST	COUNT	PERCENT
28 or Smaller	43.22	3.86
29	51.51	4.60
30	207.47	18.54
31	120.76	10.79
32	304.59	27.22
33	97.73	8.73
34	156.43	13.98
36	51.86	4.63
38	10.59	0.95
No Response	5.66	0.51
Missing	69.19	6.18

PANTS SIZE INSEAM	COUNT	PERCENT
28 or Smaller	5.74	0.51
29	24.71	2.21
30	54.65	4.88
31	85.69	7.66
32	195.46	17.47
33	138.87	12.41
34	213.76	19.10
35	2.80	0.25
36	177.85	15.89
38	104.32	9.32
40	41.71	3.73

MALES

PANTS SIZE INSEAM (cont.)	COUNT	PERCENT
42	27.54	2.46
44	16.68	1.49
46 or Larger	26.14	2.34
Don't Know	2.26	0.20
Missing	0.80	0.07

FEMALES

PANTS SIZE	COUNT	PERCENT
2 or Smaller	28.44	2.25
4	74.73	5.93
5	36.25	2.87
6	117.22	9.30
7	48.51	3.85
8	150.52	11.94
9	39.80	3.16
10	183.23	14.53
11	36.09	2.86
12	153.97	12.21
13	14.67	1.16
14	121.51	9.64
15	2.29	0.18
16	80.78	6.41
18	55.81	4.43
20 or Larger	90.66	7.19
Missing	26.53	2.1

BRA SIZE	COUNT	PERCENT
30 or Smaller	1.40	0.11
32	0.66	0.05
32a	24.3	1.93
32b	27.8	2.20
32c	8.46	0.67
32d	7.73	0.61
32dd	1.26	0.10
34	1.45	0.11
34a	93.2	7.39
34b	197.93	15.70
34c	92.58	7.34

FEMALES

BRA SIZE (continued)	COUNT	PERCENT
34d	37.04	2.94
34dd	8.55	0.68
34ddd	1.29	0.10
36	0.79	0.06
36a	58.28	4.62
36b	163.74	12.99
36c	152.25	12.07
36d	28.90	2.29
36dd	14.16	1.12
38a	10.38	0.82
38b	39.18	3.11
38c	72.12	5.72
38d	26.60	2.11
38dd	16.98	1.35
38ddd	1.36	0.11
40a	0.79	0.06
40b	17.66	1.40
40c	17.69	1.40
40d	16.41	1.30
40dd	8.84	0.70
40ddd	0.44	0.04
42b	12.76	1.01
42c	6.47	0.51
42d	7.75	0.61
42dd	10.67	0.85
42ddd	0.55	0.04
44b	2.17	0.17
44c	11.25	0.89
44d	6.23	0.49
44dd	6.83	0.54
46b	2.44	0.19
46c	5.08	0.40
46d	1.29	0.10
46dd	7.16	0.57
48 or Larger	8.74	0.69
Don't Know	11.39	0.90
Missing	9.98	0.79

FEMALES

BLOUSE SIZE	COUNT	PERCENT
4 or Smaller	94.01	7.46
6	140.01	11.10
7	36.79	2.92
8	169.68	13.46
9	31.41	2.49
10	187.81	14.89
11	15.92	1.26
12	181.48	14.39
13	8.42	0.67
14	109.32	8.67
15	5.88	0.47
16	62.50	4.96
18	41.07	3.26
20	33.46	2.65
22 or Larger	47.66	3.78
Don't Know	89.17	7.07
No Response	6.41	0.51
Missing	0	0

REPORTED HEIGHT

	MEN		WOMEN	
	Metric (mm)	English (in)	Metric (mm)	English (in)
Sample Size	1118.00	1118.00	1260.00	1260.00
Weighted Size	1117.92	1117.92	1259.74	1259.74
Mean	1783.08	70.2	1644.65	64.75
SE Mean	2.54	0.1	2.54	0.1
STD	84.84	3.34	90.17	3.55

	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (mm)			
	1	1592.33	1483.11
	2	1616.96	1497.84
	3	1625.60	1518.41
	5	1670.30	1521.71
	10	1690.62	1547.62
	20	1722.37	1572.51
	25	1725.17	1585.72
	50	1775.71	1625.35
	75	1825.75	1698.24
	80	1840.23	1701.29
	90	1876.55	1747.52
	95	1916.18	1775.46
	97	1929.89	1796.29
	98	1953.77	1816.35
	99	1979.68	1827.53
English (in)	1	62.69	58.39
	2	63.66	58.97
	3	64.00	59.78
	5	65.76	59.91
	10	66.56	60.93
	20	67.81	61.91
	25	67.92	62.43
	50	69.91	63.99
	75	71.88	66.86
	80	72.45	66.98
	90	73.88	68.80
	95	75.44	69.90
	97	75.98	70.72
	98	76.92	71.51
	99	77.94	71.95

REPORTED WEIGHT

	MEN		WOMEN	
	Metric (kg)	English (lb)	Metric (kg)	English (lb)
Sample Size	1116.00	1116.00	1258.00	1258.00
Weighted Size	1116.19	1116.19	1257.65	1257.65
Mean	401.79	182.25	333.34	151.2
SE Mean	2.49	1.13	2.67	1.21
STD	83.22	37.75	94.60	42.91

	Percentiles	MEN	WOMEN
		Quantile	Quantile
Metric (kg)			
	1	274.01	217.07
	2	282.43	224.54
	3	285.85	230.93
	5	303.93	240.48
	10	319.38	252.63
	20	339.86	269.40
	25	343.44	275.53
	50	384.71	312.37
	75	438.65	363.21
	80	454.90	382.50
	90	505.01	432.92
	95	547.52	483.67
	97	574.94	539.91
	98	617.32	567.71
	99	674.48	651.66
English (lb)			
	1	124.29	98.46
	2	128.11	101.85
	3	129.66	104.75
	5	137.86	109.08
	10	144.87	114.59
	20	154.16	122.20
	25	155.78	124.98
	50	174.50	141.69
	75	198.97	164.75
	80	206.34	173.50
	90	229.07	196.37
	95	248.35	219.39
	97	260.79	244.90
	98	280.01	257.51
	99	305.94	295.59

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INDEX

Alternate name(s) in brackets. CAESAR name in all caps.

Measure No.	Name	Visual Index Page	Statistics Page
1	ACROMIAL HEIGHT, SITTING [Shoulder Height, Sitting]	8	18
84	ACROMIAL HEIGHT, SITTING (COMFORTABLE), LEFT	14	103
85	ACROMIAL HEIGHT, SITTING (COMFORTABLE), RIGHT	14	104
41	ACROMIAL HEIGHT, STANDING, LEFT [Shoulder Height]	11, 12	59
42	ACROMIAL HEIGHT, STANDING, RIGHT [Shoulder Height]	10, 12	60
43	ACROMION-RADIALE LENGTH, LEFT [Shoulder-Elbow Length]	11	61
44	ACROMION-RADIALE LENGTH, RIGHT [Shoulder-Elbow Length]	10	62
2	ANKLE CIRCUMFERENCE	9	19
45	ARM INSEAM, LEFT	12	63
46	ARM INSEAM, RIGHT	12	64
3	ARM LENGTH (SHOULDER-ELBOW)	7	20
4	ARM LENGTH (SHOULDER-WRIST)	7	21
5	ARM LENGTH (SPINE-WRIST)	7	22
6	ARMSCYE CIRCUMFERENCE (SCYE CIRCUMFERENCE OVER ACROMION)	5	23
47	AXILLA HEIGHT, LEFT	11, 12	65
48	AXILLA HEIGHT, RIGHT	10, 12	66
50	BI-CRISTALE BREADTH	12	68
86	BI-LATERAL FEMORAL EPICONDYLE BREADTH, SITTING (COMFORTABLE)	15	105
87	BI-LATERAL HUMERAL EPICONDYLE BREADTH, SITTING (COMFORTABLE)	15	106
51	BI-SPINOUS BREADTH	12	69
88	BI-TROCHANTERIC BREADTH, SITTING (COMFORTABLE)	15	107
54	BI-TROCHANTERIC BREADTH, STANDING	11	72
49	BIACROMIAL BREADTH [Shoulder (Biacromial) Breadth]	12	67
52	BIGONIAL BREADTH	13	70
53	BITRAGION BREADTH	13	71
7	BIZYGOMATIC BREADTH	9	24
29	Body Height [STATURE]	5	46
8	BUST/CHEST CIRCUMFERENCE [Chest Circumference]	7	25
9	BUST/CHEST CIRCUMFERENCE UNDER BUST	7	26
55	BUSTPOINT-BUSTPOINT BREADTH	11	73
10	Buttock-Knee Length [BUTTOCK-KNEE LENGTH, RIGHT]	8	27
10	BUTTOCK-KNEE LENGTH, RIGHT [Buttock-Knee Length]	8	27
89	BUTTOCK TO TROCHANTER LENGTH (COMFORTABLE)	16	108
56	CERVICALE HEIGHT	10, 11	74
8	Chest Circumference [BUST/CHEST CIRCUMFERENCE]	7	25
11	CHEST GIRTH (CHEST CIRCUMFERENCE AT SCYE)	7	28
57	CHEST HEIGHT	11	75
12	CROTCH HEIGHT	5	29
58	Elbow Height [ELBOW HEIGHT, STANDING, LEFT]	11	76

Measure No.	Name	Visual Index Page	Statistics Page
59	Elbow Height [ELBOW HEIGHT, STANDING, RIGHT]	10	77
13	Elbow Height, Sitting [ELBOW HEIGHT, SITTING, RIGHT]	8	30
90	ELBOW HEIGHT, SITTING (COMFORTABLE), LEFT	14	109
91	ELBOW HEIGHT, SITTING (COMFORTABLE), RIGHT	14	110
13	ELBOW HEIGHT, SITTING, RIGHT [Elbow Height, Sitting]	8	30
58	ELBOW HEIGHT, STANDING, LEFT [Elbow Height]	11	76
59	ELBOW HEIGHT, STANDING, RIGHT [Elbow Height]	10	77
14	Eye Height, Sitting [EYE HEIGHT, SITTING, RIGHT]	8	31
14	EYE HEIGHT, SITTING, RIGHT [Eye Height, Sitting]	8	31
15	FACE LENGTH (MENTON-SELLION LENGTH) [Face Length (Nasion-Menton)]	9	32
15	Face Length (Nasion-Menton) [FACE LENGTH (MENTON-SELLION LENGTH)]	9	32
92	FEMORAL EPICONDYLE, LATERAL, LEFT TO MALLEOLUS, LATERAL (COMFORTABLE), LEFT	14	111
93	FEMORAL EPICONDYLE, LATERAL, RIGHT TO MALLEOLUS, LATERAL (COMFORTABLE), RIGHT	14	112
60	Foot Breadth [FOOT BREADTH, LEFT]	13	78
61	Foot Breadth [FOOT BREADTH, RIGHT]	13	79
60	FOOT BREADTH, LEFT [Foot Breadth]	13	78
61	FOOT BREADTH, RIGHT [Foot Breadth]	13	79
16	Foot Length [FOOT LENGTH, RIGHT]	9	33
16	FOOT LENGTH, RIGHT [Foot Length]	9	33
17	HAND CIRCUMFERENCE, RIGHT	9	34
18	Hand Length [HAND LENGTH, RIGHT]	9	35
18	HAND LENGTH, RIGHT [Hand Length]	9	35
19	HEAD BREADTH	9	36
20	HEAD CIRCUMFERENCE	9	37
21	HEAD LENGTH	9	38
22	HIP BREADTH, SITTING	8	39
23	HIP CIRCUMFERENCE, MAXIMUM	5	40
24	HIP CIRCUMFERENCE, MAXIMUM, HEIGHT	5	41
94	INFRAORBITALE HEIGHT, SITTING (COMFORTABLE), LEFT	15	113
95	INFRAORBITALE HEIGHT, SITTING (COMFORTABLE), RIGHT	15	114
62	INFRAORBITALE HEIGHT, STANDING, LEFT	12	80
63	INFRAORBITALE HEIGHT, STANDING, RIGHT	12	81
64	INTER-PUPILLARY DISTANCE	13	82
65	INTERSCYE DISTANCE	10	83
25	Knee Height [KNEE HEIGHT, SITTING, RIGHT]	8	42
25	KNEE HEIGHT, SITTING, RIGHT [Knee Height]	8	42
66	KNEE HEIGHT, STANDING, LEFT	10	84
67	KNEE HEIGHT, STANDING, RIGHT	10	85
68	MALLEOLUS HEIGHT, LATERAL, LEFT	11, 12	86
69	MALLEOLUS HEIGHT, LATERAL, RIGHT	10, 12	87
70	MALLEOLUS HEIGHT, MEDIAL, LEFT	13	88
71	MALLEOLUS HEIGHT, MEDIAL, RIGHT	13	89

Measure No.	Name	Visual Index Page	Statistics Page
26	NECK BASE CIRCUMFERENCE	7	43
72	NECK HEIGHT	13	90
73	RADIALE-STYLION LENGTH, LEFT	11	91
74	RADIALE-STYLION LENGTH, RIGHT	10	92
75	SELLION-SUPRAMENTON LENGTH	13	93
49	Shoulder (Biacromial) Breadth [BIACROMIAL BREADTH]	12	67
27	Shoulder (Bideltoïd) Breadth [SHOULDER BREADTH (BIDELTOID)]	7	44
27	SHOULDER BREADTH (BIDELTOID) [Shoulder (Bideltoïd) Breadth]	7	44
43	Shoulder-Elbow Length [ACROMION-RADIALE LENGTH, LEFT]	11	61
44	Shoulder-Elbow Length [ACROMION-RADIALE LENGTH, RIGHT]	10	62
41	Shoulder Height [ACROMIAL HEIGHT, STANDING, LEFT]	11, 12	59
42	Shoulder Height [ACROMIAL HEIGHT, STANDING, RIGHT]	10, 12	60
1	Shoulder Height, Sitting [ACROMIAL HEIGHT, SITTING]	8	18
28	SITTING HEIGHT [Sitting Height (Erect)]	8	45
28	Sitting Height (Erect) [SITTING HEIGHT]	8	45
76	SLEEVE OUTSEAM LENGTH, LEFT	11	94
77	SLEEVE OUTSEAM LENGTH, RIGHT	10	95
78	SPHYRION HEIGHT, LEFT	13	96
79	SPHYRION HEIGHT, RIGHT	13	97
29	STATURE [Body Height]	5	46
30	SUBSCAPULAR SKINFOLD, RIGHT	6	47
80	SUPRASTERNALE HEIGHT	11	98
31	THIGH CIRCUMFERENCE, MAXIMUM, RIGHT	7	48
32	THIGH CIRCUMFERENCE, MAXIMUM, SITTING, RIGHT	8	49
33	THUMB TIP REACH, RIGHT	5	50
34	TOTAL CROTCH LENGTH	5	51
35	TRICEPS SKINFOLD	6	52
81	TROCHANTER HEIGHT, LEFT	11	99
82	TROCHANTER HEIGHT, RIGHT	11	100
96	TROCHANTER TO FEMORAL EPICONDYLE, LATERAL (COMFORTABLE), LEFT	14	115
97	TROCHANTER TO FEMORAL EPICONDYLE, LATERAL (COMFORTABLE), RIGHT	14	116
98	TROCHANTER TO SEATED SURFACE COMFORTABLE, LEFT	14	117
99	TROCHANTER TO SEATED SURFACE COMFORTABLE, RIGHT	14	118
36	VERTICAL TRUNK CIRCUMFERENCE, RIGHT	5	53
83	WAIST BACK (CERVICALE TO WAIST) LENGTH	10	101
37	WAIST CIRCUMFERENCE, PREFERRED	7	54
38	WAIST FRONT LENGTH	5	55
39	WAIST HEIGHT, PREFERRED	5	56
40	WEIGHT (MASS)	6	57

APPENDIX A: TABLE OF COMPUTED NHANES III AND CAESAR WEIGHTS

Cell Number	Gender	Age Group	Race	Stature/Weight Group (for this gender)	CAESAR Weight
1	1	1	1	1	1.241554662
2	1	1	1	2	0.788041902
3	1	1	1	3	7.960024960
4	1	1	1	4	1.889779959
5	1	1	1	5	1.672346483
6	1	1	2	1	0.796849575
7	1	1	2	2	0.626538581
8	1	1	2	3	1.163583069
9	1	1	2	4	2.077347978
10	1	1	2	5	4.267517930
11	1	1	3	1	0.446243743
12	1	1	3	2	0.551800590
13	1	1	3	3	0.147386786
14	1	1	3	4	0.488837591
15	1	1	3	5	0.503679730
16	1	2	1	1	1.084836798
17	1	2	1	2	0.754300178
18	1	2	1	3	1.603824491
19	1	2	1	4	2.085785441
20	1	2	1	5	0.971161654
21	1	2	2	1	1.297359167
22	1	2	2	2	0.787536221
23	1	2	2	3	0.787983786
24	1	2	2	4	0.982026900
25	1	2	2	5	1.654850548
26	1	2	3	1	0.203407915
27	1	2	3	2	0.229787467
28	1	2	3	3	0.092884222
29	1	2	3	4	0.517982366
30	1	2	3	5	0.325327952
31	1	3	1	1	1.219819948
32	1	3	1	2	0.643396425
33	1	3	1	3	1.299976170
34	1	3	1	4	1.171699507
35	1	3	1	5	0.796969123
36	1	3	2	1	2.141056492
37	1	3	2	2	0.939172603
38	1	3	2	3	0.498871062
39	1	3	2	4	1.478031109
40	1	3	2	5	3.638956144
41	1	3	3	1	0.580597341
42	1	3	3	2	0.255967642
43	1	3	3	3	0.200107308
44	1	3	3	4	0.600133749

Cell Number	Gender	Age Group	Race	Stature/Weight Group (for this gender)	CAESAR Weight
45	1	3	3	5	0.036260285
46	2	1	1	1	1.455033899
47	2	1	1	2	1.292252125
48	2	1	1	3	1.812809453
49	2	1	1	4	2.112344164
50	2	1	1	5	1.165631146
51	2	1	2	1	1.258360117
52	2	1	2	2	0.779896072
53	2	1	2	3	0.707529181
54	2	1	2	4	0.833299269
55	2	1	2	5	0.991118513
56	2	1	3	1	0.091017199
57	2	1	3	2	0.366161122
58	2	1	3	3	0.111744871
59	2	1	3	4	0.424852345
60	2	1	3	5	0.160816834
61	2	2	1	1	0.920397750
62	2	2	1	2	1.036277180
63	2	2	1	3	1.840071645
64	2	2	1	4	1.397822866
65	2	2	1	5	0.843140675
66	2	2	2	1	1.361612800
67	2	2	2	2	1.138623931
68	2	2	2	3	1.624532979
69	2	2	2	4	1.408496143
70	2	2	2	5	3.437419451
71	2	2	3	1	0.193891135
72	2	2	3	2	0.550032330
73	2	2	3	3	0.871006639
74	2	2	3	4	0.445922173
75	2	2	3	5	0.152703755
76	2	3	1	1	0.709281496
77	2	3	1	2	0.792750641
78	2	3	1	3	1.647197904
79	2	3	1	4	0.778104769
80	2	3	1	5	0.655686831
81	2	3	2	1	1.729706164
82	2	3	2	2	1.591762785
83	2	3	2	3	0.804471060
84	2	3	2	4	0.694383699
85	2	3	2	5	1.020251209
86	2	3	3	1	0.674203227
87	2	3	3	2	0.110164491
88	2	3	3	3	0.444228809
89	2	3	3	4	0.312928270
90	2	3	3	5	0.110164491